CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Railway extension and improvements, Winston-Salem, N. C., and Roanoke, Va., N. & W. Ry. Co., plans, $9,100,000.

Warehouse, Jersey City, N. J., Erie R.R. Co. plans group of storage warehouse buildings, first unit, $5,000,000, total cost, $25,000,000.

Double tracking between St. Louis, Mo., and Columbus, O., P. R.R., plans to expend in 1926, $5,000,000.

Steuben Club, Chicago, Ill., had plans prepared, $4,000,000.

Hotel, Chicago, Ill., Syndicate, W. Ahlschlager, archt., having plans prepared, $4,000,000.

Bridge, 1 mi. over Ohio River, Evansville, Ind., planned, $3,500,000.

Dam, Canada, N. Y., Rochester Gas & Elec. Corp., Rochester, preparing plans, $3,000,000.

Hotel, Gary, Ind., Gary Hotel Building Co., having plans prepared, $2,000,000.

Office building, San Antonio, Tex., J. Freeman and others, having preliminary plans prepared, $2,000,000.

Road improvement program, Toledo, Ia., bonds voted, $1,437,000.

Office building, Lincoln, Neb., W. S. Sharp, having preliminary plans prepared, $1,200,000.

Hotel Baton Rouge, La., Dixon and Himmermon, having plans prepared, $1,000,000.

Paving, 11 mi., various streets, New Orleans, La., planned, $1,000,000.

Auxiliary steam plant, Fernie, B. C., East Kootenay Power Co., having plans prepared, $1,000,000.

Highway construction, 86 mi., Panhandle, Tex., bond election July 14, $1,000,000.

Bids Wanted

Bridge over portion of Lake Pontchartrain, New Orleans, La., bids opened July 8, $5,000,000.

Office building, Chicago, Ill., J. Goldstine and associates, takes bids about July 15, $3,000,000.

Davis, Seguin and New Braunfels, Tex., taking bids, $2,500,000.

Railway extension, Minnesota, M. N. & S. R.R. Co., soon takes bids, $1,500,000.

Dormitory, Boston, Mass., Harvard University, taking bids, $1,500,000.

Theatre, Indianapolis, Ind., Circle Theatre Co., takes bids about July 16, $1,000,000.

Contracts

Hospital, Cleveland, O., St. Lukes, awarded to Lundoff-Bicknell Co., $2,000,000.

School, Washington, D. C., McKinley Manual Training, awarded to Parsons Hyman, $1,974,644.

Hotel San Antonio, Tex., Chamberlain Hotels, Inc., Baltimore, awarded to H. N. Jones Constr. Co., $1,310,000.

Hotel Allentown, Pa., A. Pebruch and A. Gomery awarded to Roberts & Roller, $1,250,000.

Apartment hotels, Kansas City, Mo., McCanles Co., will build two by day labor, $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
July 9	Troy, N. Y.	June 24
July 10	Shippensburg, Pa. Adv. July 1 and 8.	July 1
July 11	Grover (Tiltonville), O.	June 24
July 12	Hallidays Cove, W. Va.	July 1
July 12	South Orange, N. J.	July 8
July 13	Sioux Falls, S. D.	June 24
July 13	Long Island City, N. Y.	July 8
July 13	New York, N. Y.	July 8
July 13	Phila., Pa.	July 8
July 14	Binghamton, N. Y. Adv. June 24 to July 8.	June 24
July 14	Effingham, Kan.	July 8
July 14	Brighton (Ind. Sta. Rochester), N. Y.	July 8
July 14	Boston, Mass.	July 8
July 15	Brighton (Ind. Sta. Rochester), N. Y.	July 8
July 15	Quincy (Boston P. O.), Mass.	July 8
July 15	Seal Beach, Calif.	July 8
July 15	Wellston, O. Adv. July 1 and 8.	July 1
July 16	McKeesport, Pa. Adv. July 8.	July 8
July 16	Long Island City, N. Y.	July 8
July 16	New York, N. Y.	July 8
July 17	Mount Kisco, N. Y. Adv. July 8.	July 8
July 19	Tarentum, Pa. Adv. July 8.	July 8
July 19	Charleston, Mo.	June 24
July 19	East Williston, N. Y. Adv. July 8.	July 8
July 20	Otisville, N. Y.	July 1
July 22	Newark, N. J. Adv. June 24 and July 8.	June 24
July 27	St. Louis, Mo.	July 8
July 27	Detroit, Mich. Adv. July 8.	July 8
Aug. 3	Ft. Lauderdale, Fla. Adv. July 1 and 8.	July 8
Aug. 5	Ft. Lauderdale, Fla. Adv. July 1 and 8.	July 8

Sewers

July 9	New York, N. Y.	July 1
July 9	West Roxbury (Boston P. O.), Mass.	July 8
July 9	Wakefield, Mass.	July 8
July 10	Akron, O.	July 8
July 10	Woorsocket, R. I.	July 1
July 11	Grover (Tiltonville), O.	June 24
July 12	Fulton, Ky.	June 17
July 12	West Concord, Minn.	July 1
July 12	Huntington, W. Va.	July 8
July 12	Brookline (Boston P. O.), Mass.	July 8
July 12	Council Bluffs, Ia.	July 8
July 12	Albert Lea, Minn.	July 8
July 13	St. Louis, Mo.	June 17
July 13	Los Angeles, Calif.	June 24
July 14	Phila., Pa.	July 8
July 14	Orlando, Fla. Adv. July 8.	July 8
July 14	New York, N. Y.	July 8
July 14	Long Island City, N. Y.	July 8
July 15	Akron, O.	July 8
July 15	Brooklyn, N. Y.	July 8
July 16	El Segundo, Calif.	July 8
July 17	Mount Kisco, N. Y.	July 8
July 17	Nutter Fort, W. Va.	July 8
July 19	Norwood, Minn.	July 8
July 19	Hastings, Neb.	July 8
July 19	San Diego, Calif.	July 8
July 20	Auburn, N. Y. Adv. July 8.	July 8
July 20	West Palm Beach, Fla. Adv. July 1 and 8.	July 1
July 21	Jacksonville, Fla.	July 8
July 21	Lake Charles, La.	July 8
July 21	Carteret, N. J. Adv. July 8.	July 8
July 26	Leetonia, O. Adv. July 8.	July 8
July 26	Butler, N. J. Adv. July 8.	July 8
July 28	Delaware, O.	July 8
Aug. 1	Birmingham, Ala.	July 8
Aug. 10	Ft. Lauderdale, Fla. Adv. July 12.	July 8
Aug. 12	Ft. Lauderdale, Fla. Adv. July 8.	July 8

Waste Disposal

July 12	Ambridge, Pa. Adv. June 24 to July 8.	June 24
July 21	Orlando, Fla.	June 24

Bridges

July 9	Tribes Hill, N. Y. Adv. June 17 to July 8.	June 17
July 9	Roanoke, Va.	June 17
July 12	New Jersey	June 24
July 13	Oskaloosa, Kan.	June 24
July 13	Ft. Wayne, Ind.	July 1
July 14	Illinois	July 8
July 15	Clayton, La.	June 17
July 15	Louisiana	June 24
July 15	Grand Rapids, Mich.	July 8
July 16	Huntington, W. Va.	June 17
July 19	Hanford, Calif.	July 8
July 20	Louisiana	July 1
July 20	Port Gibson, Miss.	July 8
July 21	Independence, Kan.	July 8
July 21	Wilkes-Barre, Pa.	June 24
July 21	New Jersey and New York. Adv. June 24 to July 8.	July 1
July 21	Florida	July 1
July 21	Providence, R. I. Adv. July 8.	July 8
July 23	Kalamazoo, Mich.	July 8
July 26	Kentucky	July 1
July 27	Girard, O. Adv. July 1 and 8.	July 1
Aug. 2	Mississippi	July 1

Excavation, Drainage, Irrigation, Levees, River and Harbor

July 14	Van Wert, O.	July 1
July 16	West Palm Beach, Fla.	July 8
July 21	Billings, Mont.	July 1

Streets and Roads

July 9	New York	June 24
July 9	New York	July 1
July 9	New York, N. Y.	July 1
July 9	Wash., D. C.	July 8
July 9	Lilly, Pa.	July 8
July 12	Brookline (Boston P. O.), Mass.	July 8
July 12	Cedar Rapids, Ia.	July 8
July 12	Kentucky	June 24
July 12	New Jersey	June 24
July 12	Minneapolis, Minn.	July 1
July 12	Milwaukee, Wis.	July 8
July 12	Beloit, Wis.	July 8
July 12	Osage, Ia.	July 8
July 13	Swissvale, Pa.	July 8
July 13	Boston, Mass.	July 8
July 13	Massachusetts	July 8
July 13	Oskaloosa, Kan.	July 8
July 13	Cincinnati, O.	July 8
July 13	St. Louis, Mo.	June 17
July 13	Benton, La.	July 8
July 13	Tampa, Fla.	July 8
July 13	Gates Mills, O.	July 8
July 13	Columbus, O.	July 8
July 14	Waukesha, Wis.	July 8
July 14	Pittsburgh, Pa.	July 8
July 14	Newton, Ia.	July 8
July 14	Belmont, N. C.	July 8
July 14	Boston, Mass.	July 8
July 14	Illinois	July 8
July 14	Indianapolis, Ind.	July 8
July 14	Delaware	June 24
July 14	Alabama	June 24
July 14	Olathe, Kan.	July 1
July 14	Ft. Wayne, Ind.	July 1
July 14	San Marino, Calif.	July 1
July 14	New York, N. Y.	July 8
July 15	Girard, Kan.	June 17
July 15	Ripley, Miss.	July 1

See proposal advertising on page 125

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TRADE "LEADITE" MARK
Registered U. S. Pat. Office

Jointing Water Mains

Laying 20-in. c. i. water mains with LEADITE joints thru rough and mountainous country.

Whether you are building an entirely new system or making an extension, laying large or small mains, you will save time, money and labor by using LEADITE.

In making a LEADITE joint NO CAULKING is necessary. Just yarn the joint and pour it full of molten LEADITE; it is an easy and quick operation.

LEADITE allows you to lay more pipe per day. This means getting water into the line without delay.

The quicker you get water to the consumer, the sooner the line produces revenue.

LEADITE makes the work easier on the men by eliminating much of the drudgery of pipe laying. You know what this means in the cold of winter and the heat of summer, and in bad trenches.

The varied applicability of LEADITE makes it the ideal material for jointing cast iron B. & S. water mains.

You will use LEADITE sooner or later as its advantages cannot help but appeal to you favorably.

Familiarize yourself with LEADITE now.

LEADITE does not corrode or rust.

Users know LEADITE makes a good joint.

LEADITE joints improve with age.

LEADITE has been successfully tested and used for over 30 years.

Thousands of miles of pipe jointed with LEADITE are in service.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		*See Eng. News-Record*
July 15	Houston, Miss.	July 8
July 15	Wayne, W. Va.	July 8
July 15	Virginia	July 8
July 15	Girard, Kan.	July 8
July 15	Omaha, Neb.	July 8
July 15	Idaho	July 8
July 15	Adel, Ia.	July 8
July 15	Cedar Rapids, Ia.	July 8
July 16	Dayton, O.	July 8
July 16	Wauwatosa, Wis.	July 8
July 16	Ohio	July 8
July 16	Corsicana, Tex.	July 8
July 16	Pennsylvania	July 1
	Adv. July 1 and 8.	
July 16	Long Island City, N. Y.	July 8
July 16	Cincinnati, O.	June 24
July 16	Leavenworth, Kan.	July 1
July 16	Ohio	July 1
July 16	Cleveland, Miss.	July 1
July 16	Bronxville, N. Y.	July 1
	Adv. July 1 and 8.	
July 17	Idaho	July 8
July 17	Mount Kisco, N. Y.	July 8
	Adv. July 8.	
July 19	Los Angeles, Calif.	July 8
July 19	Topeka, Kan.	July 8
July 19	Minneapolis, Minn.	June 24
July 19	Apalachicola, Fla.	June 24
	Adv. June 17 to July 8.	
July 19	Topeka, Kan.	July 1
July 20	Lakeland, Fla.	July 1
	Adv. July 1 and 8.	
July 20	Louisiana	July 8
July 20	Eldorado, Kan.	July 1
July 20	Dover, N. J.	July 8
	Adv. July 8.	
July 20	Manasquan, N. J.	July 8
	Adv. July 8.	
July 20	Mansfield, La.	July 8
July 20	Toms River, N. J.	July 8
July 20	Asbury Park, N. J.	July 8
July 20	West Palm Beach, Fla.	July 8
	Adv. July 8.	
July 20	Hinsdale, Mass.	July 8
July 21	Florida	July 1
July 21	Rye, N. Y.	July 8
	Adv. July 8.	
July 25	Michigan	June 17
July 26	Kentucky	July 1
July 26	Kentucky	July 8
July 26	New Jersey	July 8
	Adv. July 8.	
July 27	Louisiana	July 8
July 27	St. Louis, Mo.	July 8
July 27	Louisiana	June 24
Aug. 1	Birmingham, Ala.	July 8

Buildings—Commercial

July 12	Charleston, W. Va.	June 10
July 12	Ada, Okla.	July 1
July 12	Kerrville, Tex.	July 1
July 12	New Orleans, La.	July 8
July 13	Columbus, O.	July 8
July 14	Manessen, Pa.	July 8
July 14	St. Cloud, Minn.	July 8
July 14	Wyandotte, Mich.	July 8
July 14	Camden, N. J.	July 1
	Adv. July 1 and 8.	
July 14	Raleigh, N. C.	July 1
July 15	Richmond, Ind.	July 1
July 15	La Crosse, Wis.	July 8
July 20	Portland, Ore.	July 8
Aug. 2	Cleveland, O.	June 24
Aug. 3	Alexandria, La.	July 8
Aug. 6	Oaklandon, Ind.	July 8
Aug. 6	Sunnyside (mail Indianapolis), Ind.	July 8
Sept. 1	Vancouver, B. C.	Apr. 22

Buildings—Industrial

July 9	Allentown, Pa.	July 8
July 12	Akron, O.	July 8

Buildings—Educational, Religious

July 9	Bexley (Columbus P. O.), O.	July 1
July 9	South Bend, Ind.	July 1
July 9	Phila., Pa.	July 1
July 12	Phila., Pa.	July 8
July 13	Union, N. J.	July 1
July 14	San Francisco, Calif.	June 17
July 14	East Elmhurst (Ind. Sta. Flushing), N. Y.	July 1
July 14	Paoli, Pa.	July 8
July 14	Strafford, Pa.	July 8
July 14	Glencoe, Ill.	July 8
July 14	Raleigh, N. C.	July 8
July 14	Duxbury, Mass.	July 8
July 15	Minneapolis, Minn.	July 8
July 17	Indianapolis, Ind.	July 8
July 19	Fullerton, Calif.	July 8
July 21	Dayton, O.	July 1
July 27	Aberdeen, S. D.	July 8

Federal Government Work

July 9	Remodeling—Middletown, N. Y.	July 1
July 12	Rock Removal—Newark, N. J.	June 10
	Adv. June 10, 17, July 1 and 8.	
July 12	Tailrace, etc.—Nebraska-Wyoming	June 10
July 12	Boiler—Anniston, Ala.	July 8
July 14	Remodeling—Iowa City, Ia.	July 8
July 15	Metal Work—Louisville, Ky.	June 17
	Adv. June 17 to July 8.	

Bids close		*See Eng. News-Record*
July 15	Barges—Vicksburg, Miss.	July 1
	Adv. July 1 and 8.	
July 19	Remodeling—Logansport, Ind.	July 8
July 20	Remodeling—Bristol, Conn.	July 8
	Adv. July 8.	
July 20	Transformers — Florence, Ala.	June 17
July 22	Driveway—Saginaw, Mich.	July 8
July 23	Breakwater—Providence, R. I.	June 24
	Adv. June 24 to July 8.	
July 26	Dikes—Huntsdale, Mo.	July 8
July 26	Heating—San Antonio, Tex.	July 8
July 27	Hospital — Northport, N. Y.	June 10
	Adv. June 24 to July 8.	
July 29	Dredging—Los Angeles, Calif.	June 24
	Adv. June 24 to July 8.	
July 30	Stone—Cold Spring, N. J.	July 8
Aug. 2	Equipment—Wash., D. C.	July 8
Sept. 15	Quarters—Canacao, P. I.	July 1

Unclassified

July 12	Ornamental Lighting—Elmhurst, Ill.	July 1
July 14	Crossings—Phila., Pa.	July 8
July 14	Pier—Ottawa, Ont.	July 8
July 14	Alarm System—Green Bay, Wis.	July 8
July 14	Borings—New York, N. Y.	July 8
July 15	Pavilions, etc.—Brooklyn, N. Y.	July 8
July 16	Barges — Minneapolis, Minn.	July 8
July 19	Pump, etc.—Syracuse, N. Y.	July 8
July 19	Undergrade Crossing—South San Francisco, Calif.	July 8
July 20	Electrical Equipment—New York, N. Y.	June 24
July 27	Steel Cages—Stuart, Fla.	July 8
	Adv. July 8.	
Aug. 16	Turbo-Generator—Moose Jaw, Sask.	June 24
	Adv. June 24 to July 8.	
Sept. 30	Crane Gantries, etc.—Otahulu, New Zealand	May 20
Nov. 1	Buildings, etc.—New Zealand	July 1

Materials

July 12	Granite Curbing, Providence, R. I.	July 8
July 14	Filler—New York, N. Y.	July 8

News of New Work

Waterworks

Proposed Work

Mass., Amesbury — Town, Water Supply Dept., plans extending water supply $15,000 or more. Weston & Sampson, 14 Beacon St., Boston, engrs.

Mass., Boston—Plans 48 in. mains from Arlington Sq. connecting with main pipe at Commonwealth Ave. $240,000. J. H. Sullivan, comr.

Mass., Lexington — Town appropriated $21,000, mains in various streets. Private plans.

Va., Richmond—R. K. Compton, dir. Pub. Wks., takes bids about July 12, constructing pumphouse to prevent overflow from Shockse Creek. $50,000.

Mich., Detroit—Dept. Water Supply, G. H. Fenkell, genl. mgr., 176 East Jefferson Ave., making plans extending 14,180 ft. 6- to 18-in. c.i. mains in Northwest Highway, Lasher and Seven Mile Rds., Burt Montrose Dresden, Pilgrim, and Desgrandchamps Aves.

Minn., Dilworth—Voted $20,000 bonds, waterworks, incl. well, 100,000 gal. tank on tower, etc. Luckey-Miller Co., Fargo, N. D., engrs. Noted May 27.

Kan., Oneida—Making plans waterworks. $40,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Kan., Wellsville—Making plans waterworks. $35,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Mo., Branson — Voted $40,000 bonds, waterworks and sewers in various streets. Alexander Eng. Co., 517 Woodruff Bldg., Springfield, engrs. Noted Apr. 8.

Mo., Parma—Making preliminary surveys 4 and 6 in. c.i. mains, and 8- to 12-in. sanitary sewers, etc., in various streets, also sewage disposal plant. $60,000. Edward Flad & Co., 920 Chemical Bldg., St. Louis, engrs.

Ark., Fayetteville—Rejected bids 3 m.g. rein.-con. reservoir, settling basin, 1 mi. 6 and 8 in. c.i. mains, etc., in various streets. Will readvertise. E. M. Ratliffe, Stone Bldg., engr.

Tex., San Benito—See "Sewers."

Okla., Lima—Making plans waterworks $18,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Salina—Making plans new waterworks. $40,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted Mar. 11.

Okla., Wewoka—See "Unclassified."

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Calif., Berkeley — East Bay Municipal Utility Dist., Ray Bldg., Oakland, making plans rein.-con. pumping station, in Claremont Dist. To exceed $50,000. E. T. Foulkes, Crocker Bldg., San Francisco, archt.

Calif., Bolinas—Bolinas Pub. Utility Dist. made plans 9 mi. pipe line for small concrete dam. $50,000. H. S. Bonte, 1106 Balbour Bldg., San Francisco, engr.

Calif., Rio Vista—Made plans 5,500 ft. 6 and 8 in. c.i. mains, etc., in various streets. $13,500 available. F. A. Steiger, Courthouse, Fairfield, engr. Noted Mar. 18.

Calif., Signal Hill (mail Burnett)—Plans election $250,000 bonds, improving water system.

Calif., Yuba City—Making plans replacing 12 in. pump at municipal waterworks. E. Von Geldern, city engr.

Bids Desired

Mass., Boston—July 14, by Supply Dept., City Hall, c.i. pipe and fittings for Water Serv. Dept. $10,000. F. L. Brier, supt.

Mass., Quincy (Boston P. O.)—July 15, by Comr. Pub. Wks., City Hall, improving waterworks, laying pipe etc. $15,000 bonds. Metcalf & Eddy, 14 Beacon St., Boston, engrs.

N. Y., Brighton (Ind. sta. Rochester) — July 14, by Bd. Water Comrs. Highland-Clinton Water Dist., Highland Ave., 6 mi. 6 and 8 in. c.i. mains, valves, etc., in various streets. H. C. Kittredge, 805 Union Trust Bldg., Rochester, engr.

N. Y., Brighton (Ind. sta. Rochester) — July 15, by Bd. Water Comrs. Highland Water Dist., 308 Lincoln Bldg., Rochester, mains, etc., here. W. S. Lozier, Lincoln Bldg., Rochester, consult. engr.

N. Y., Brooklyn—July 16, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, laying, removing and relaying mains in Church Ave., here.

N. Y., East Williston—July 19, by Bd. Water Comrs. East Williston Water Dist., improving water supply, also constructing building, in connection with above. G. A. Fairfield, Mineola, engr.; adv. E. N.-R. July 8.

N. Y., Long Island City—July 13, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Foster and 38th Aves., Fresh Pond, 78th and 82nd Rds., etc., here.

Constr. News page 18

This New Method Saves *Time* in Water Works Construction

In water works improvements, rush construction often is necessary.

Important repairs must be made or pump foundations placed in the quickest possible time. Aqueducts must be built, tunnels lined and filtration plants constructed and put into use promptly.

In these and similar cases, you do not want to wait the weeks usually required for concrete to gain the desired strength. You do not need to.

By using what an editorial in *Engineering News-Record* calls "well-authenticated" methods and standard *Universal* cement, the same quality *Universal* regularly used, you can obtain *strong* concrete in *3 days* and at the same time get a concrete that is much better and much stronger forever after than concrete as ordinarily placed.

Copies of the *Engineering News-Record* editorial on "High Early Strength Concrete," together with detailed information on the methods for obtaining this *time*-saving, strong concrete in *3 days* with standard *Universal* cement on all jobs where rush work is essential, will be sent promptly upon request. Simply use the coupon below.

Universal Portland Cement Co.
210 South LaSalle Street, Chicago.
Please send me details on how to obtain *strong* concrete in *3 days* with standard *Universal* cement.
Name .....
Address .....
.....

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

N. Y., Long Island City—July 16, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Lotus, 25th, 35th, 37th, 43rd, 18th Aves., etc., here.

N. Y., Mount Kisco—July 17, by Bd. Water Comrs., 99 East Main St., 6,660 lin.ft. c.i. water mains, etc. F. R. Mathews, village clk.; adv. E. N.-R. July 8.

N. Y., New York — July 13, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Forsythe, Goerick, Madison Aves., etc.

N. Y., New York—July 16, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Central Park.

N. Y., New York—July 16, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc., in Boynton, Elder, Manor, Watson Aves., etc., Bronx Boro.

N. J., South Orange—July 12, by Water Com. Bd. Trustees, Village Hall, drilling two 12 in. wells approximately 300 ft. deep, etc., on Village Water Lands, east of Walton Ave., here. I. T. Redfern, village engr.; adv. E. N.-R. July 8.

Pa., McKeesport—July 16, by City Council, G. B. Herwick, controller, 12 in. c.i. pipe line across 15th St. Bridge, approximately 1,100 ft. 8 in. c.i. mains to connect same with Port Vue systems, also 500,000 gal. steel tank, etc. Hudson & Myron, 802 Wabash Bldg., Pittsburgh, engrs; adv. E. N. R. July 8. Noted Mar. 11.

Pa., Philadelphia—July 13, by Dept. Pub. Wks., Bureau of Water, wash-water troughs at Torresdale Filter Plant, Contr. 800; also pipe, fittings, valves, etc. for Roxborough Booster Station, Contr. 834. G. H. Biles, dir.

Pa., Tarentum — July 19, by Water & Light Com., one 750 kw. turbo-alternator, two 442 hp. water tube boilers, and one 10 ton crane; also 7 x 175 ft. radial block or rein.-con. chimney, etc. Hudson & Myron, 802 Wabash Bldg., Pittsburgh, engrs.; adv. E. N.-R. July 8.

Fla., Ft. Lauderdale—Aug. 3, by Mayor and Bd. City Comrs., at office City Manager, approximately 50 mi. 6- to 16-in. c.i. pipe, etc. Solomon, Norcross & Keis, Ft. Lauderdale, and 1404 Candler Bldg., Atlanta, Ga., consult. engrs.; adv. E. N.-R. July 8.

Fla., Ft. Lauderdale—Aug. 5, by Mayor and Bd. City Comrs., at office City Manager, 4 m.g. softening and purificating plant, etc. Solomon, Norcross & Keis, Ft. Lauderdale, and 1404 Candler Bldg., Atlanta, Ga., consult. engrs.; adv. E. N.-R. July 8.

Mich., Detroit—Bd. Water Comrs., H. S. Starkey, secy., taking bids 10 mi. suction tunnel, etc.; adv. E. N.-R. July 8.

Mich., Detroit—July 27, by Bd. Water Comrs., 176 East Jefferson Ave., elevated steel water tank in Rouge Park, Outer Drive (Lamphere Rd.) and Plymouth Rd. G. H. Fenkell, genl. mgr.; adv. E. N.-R. July 8.

Kan., Effingham—July 14, by City Clerk, improving waterworks. $45,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs. Noted Apr. 22.

Mo., St. Louis — July 27, by Bd. Pub. Serv., 208 City Hall, 4 forced draft chain grate stokers for boiler room at Howards Bend Waterworks plant, St. Louis Co., $35,000; and standard gauge railroad from 11th and Poplar Sts. to Municipal Serv. Bldg., $23,000. J. Pritchard, dir. Dept. Pub. Utilities.

Calif., Sacramento—W. H. Sutton, clk., Fruit Ridge School Dist. R. D. 4, Box 1225, taking bids furnishing and installing 1 deep well turbine pump direct connected to 7½ hp., 3 phase, 220 volt capacity, 100 g.p.m., min., etc.

Calif., Seal Beach—July 15, by O. B. Padrick, city clk., 144 ft. 6 in. and 2,136 ft. 4 in., Class B bell and spigot, tees, bends, etc.

Contracts Awarded

R. I., Phillipsdale (mail Providence)—Sayles Finishing Plants, Inc., water filtration plant, to J. E. Palmer, Co., 1012 Old South Bldg., Boston. Engrs. est. $40,000 or more.

Md., Baltimore—Bd. Awards, valves and hydrants for Bureau Water Supply, to A. P. Smith Co., East Orange, N. J., $23,348. Noted July 1.

O., Dayton—G. F. Baker, dir. Pub. Serv., 12,700 ft. 84 in. and 1,200 ft. 72 in. precast concrete pressure mains, to Price Bros. Co., Harries Bldg., $497,000. Noted June 17.

O., Vermilion—Clerk Bd. Pub. Affairs, 1 m.g. filtration plant, to Burnet Constr. Co., Columbus, $24,000. Noted May 20.

Ill., Libertyville — Village Clerk, water service pipes, house drains, etc., to J. Mallory, Libertyville, $7,600. Noted June 17 under "Sewers."

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., mains in various streets, to F. E. Kaminski, 745 46th Ave., West Allis, $27,124. Noted June 24.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., 5,345 ft. 6- to 48-in. c.i. mains in Booth and various streets, to J. Brogan & Sons, 211 Grand Ave., $81,003. Noted July 1.

Ia., Rockwell City—City Council, 100,000 gal., 100 ft. to bottom elevated steel tank, etc., to Chicago Bridge & Iron Wks., 37 West Van Buren St., Chicago, Ill.

Tex., Amarillo—For 16 mi. 30 in. c.i. pipe line from dam to inside city limits, to B. Nicoll & Co., 294 Madison Ave., New York City, $665,000. Noted May 6.

Okla., Spiro — W. R. Camble, city clk., clearing dam site, raising dam, spillway and filter plant, to Highway Constr. Co., 1st Natl. Bank Bldg., Tulsa, $37,121. Engrs. est. $40,000. Noted June 3.

Sewers

Proposed Work

Miss., Forest — Voted $44,000 bonds, sewerage system. M. L. Culley, 1st Natl. Bank Bldg., Jackson, engr.

Wis., Wausau — Made plans and soon takes bids 2 mi. 8- to 15-in. vitr. or concrete sewers in 8 streets. To exceed $25,000. B. C. Gowen, City Hall, engr.

Ia., Grinnell—Soon takes bids remodeling and constructing sewage disposal plant addition. $50,000. R. B. Slippey, Lafayette Bldg., Waterloo, engr.

Ia., Sidney—Making plans 30,000 lin.ft. sewers in various streets and sewage disposal plant, etc. $60,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Kan., Oneida — Making plans sanitary sewers in various streets and sewage disposal plant. $40,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Kan., Topeka — Haskins & Crawford, engrs., 825 Finance Bldg., Kansas City, Mo., rejected bids June 22, North Side Sewage Disposal Plant, here, for City, $50,000. Will soon readvertise. $50,000. Noted June 17.

Kan., Wellsville—Making plans sanitary sewers in various streets and sewage disposal plant. $40,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, Mo., engrs.

Mo., Branson—See "Waterworks."

Mo., Excelsior Springs — Voted $40,000 bonds, enlarging sewage disposal plant. C. Haskins, 824 Finance Bldg., Kansas City, engr. Noted Apr. 15.

Mo., Jefferson City — Election July 15, $167,000 bonds, extending sewerage system.

Mo., Parma—See "Waterworks."

Mo., St. Louis—See "Unclassified."

Mo., Westplains—Voted $100,000 bonds, complete sewerage system and disposal plant. Russell & Axon, 412 McDaniel Bldg., Springfield, engrs. Noted June 17.

Tex., Harlingen — Voted $25,000 bonds, extending sewers in various streets. Address D. W. Schuebach, city secy. Noted June 24.

Tex., McAllen—Plans several lines small sanitary sewers in various streets. $35,000. E. M. Card, McAllen, engr.

Tex., San Benito—Making plans sewage disposal plant, $25,000, also 5,700 ft. 8 in. c.i. watermains in various streets, $12,500. Sanitary Eng. Co., P. O. Box 1512, Houston, engrs.

Okla., Salina—Making plans 4 mi. sewerage system. $28,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engr.

Okla., Sand Springs—Made preliminary plans 4,000 ft. 48 in. segmental block storm sewers in various streets. $32,000. C. Tingley, Sand Springs, engr.

Okla., Seminole—Making plans 15,700 ft. 6- to 10-in. vitr. clay sewers in Franklin Court, Bway., Highland, Evans, and Park Sts., Dist. 1. $25,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Tulsa—Voted $1,155,000 bonds, extending sewers in various streets. C. Schultz, City Hall, engr.

Okla., Wewoka—See "Unclassified."

Calif., Inglewood—Plans election $750,000 or more bonds, sewer trunk line and laterals. W. Peffer, city engr. Noted Jan. 7.

Calif., Lincoln — Plans election $30,000 bonds, extending sewers in various streets.

Calif., Los Angeles — Los Angeles Co. made plans 7.65 mi. sewer in 87th St., etc., Co. Impvt. 455. To exceed $95,000.

Calif., Los Angeles—Making plans ½ mi. 24 in. vitr. and rein.-con. storm drain in Vista Del Mar. Storm Drain Dist.; also approximately 2 mi. sewer in 28th and Beach Aves. Impvt. Dist. City Eng. Dept., engrs.

Calif., Los Angeles — Made plans 8- to 10-in. vitr. sewer in Annandale Blvd., Oak Crest Way, etc. To exceed $25,000. J. C. Shaw, city engr.

Calif., San Francisco—Making plans extending sewers in Sunset Dist., 43rd Ave. $175,000. M. M. O'Shaughnessy, city engr.

Bids Desired

Me., Kennebunk—July 12, by Bd. Selectmen, Town Hall, sewerage works in various streets. $25,000. Private plans.

Mass., Brookline (Boston P. O.)—July 12, by Bd. Selectmen, Town Hall, sewerage works in Village, Brook Sts., etc. $25,000. Private plans.

Mass., West Roxbury (Boston P. O.)—July 9, by Dept. Pub. Wks., Boston, sewerage works in West Border Rd. and West Roxbury Parkway, here. $25,000. J. H. Sullivan, comr.

N. Y., Auburn—July 20, by J. P. Jaeckel, city mgr., City Hall, sewers in Capitol, Perry, Seminary and Holley Sts., etc.; and sheet asphalt, warrenite and bitulithic and cement paving various streets. J. J. Tehan, Auburn, engr.; adv. E. N.-R. July 8.

N. Y., Brooklyn — July 15, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, sewers in Nostrand, Atlantic, and Bedford Aves., 71st and East 28th Sts., etc.

N. Y., Long Island City—July 14, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sanitary sewer in Brinkerhoff, 109th and 99th Aves., 198th and 200th Sts., etc.; also sewers in 150th (Botanic) Pl., Fairmount, 97th, 113th and Nagy Sts., 94th, 109th and 20th Aves., etc.

N. Y., Mount Kisco—July 17, by Bd. Village Trustees, 6 and 10 in. vitr. pipe sewers, etc., in various streets. F. R. Mathews, village clk.; adv. E. N.-R. July 8.

N. Y., New York—July 14, by J. Miller, pres. Manhattan Boro, Municipal Bldg., sewer in Henshaw St. (B St.) between Dyckman St. and Riverside Dr.

N. J., Butler—July 26, by Boro Council, Municipal Bldg., sanitary sewer in Boonton Ave., Brook and Scott Sts. C. Potts, 30 Church St., New York City, consult. engr.; adv. E. N.-R. July 8.

Pa., Phila.—July 14, by Dept. Pub. Wks., Bureau of Engineering, branch sewers in Walnut Lane, State, Georgian and Glen Echo Rds., Adams, Aldine, Algon, Aramingo, Castor, Ditman, Erdrick, Foust, Frankford, Godfrey, Henry, L. M, Lawrence, Malvern, Penn., Roosevelt, Teesdale, Torresdale, and Tulip Sts. G. H. Biles, dir.

W. Va., Huntington—July 12, by City Comrs. (1st unit) 4 mi. Four Pole Trunk Sewer. Total $350,000. Noted May 20.

W. Va., Nutter Fort—July 17, by Town, in Council Rooms, 26,800 lin.ft. 6- to 12-in. vitr. sewers in various streets. H. P. Squires, mayor.

Fla., Ft. Lauderdale—Aug. 10, by Mayor and Bd. Comrs., at office; B. H. Horne, city mgr., constructing 3 sewage pumping stations, 5 ejector stations, approximately 6 mi. 4- to 24-in. c.i. line, etc. Solomon, Norcross & Keis, Inc., Granada Ave., Lauder-del-Mar, Ft. Lauderdale, and 1404 Candler Bldg., Atlanta, Ga., consult. engrs.; adv. E. N.-R. July 8.

Fla. Ft. Lauderdale—Aug. 12, by Mayor and Bd. Comrs., at office B. J. Horne, city mgr., 3 m.g. daily capacity sewage treatment plant, etc. Solomon, Norcross & Keis, Ft. Lauderdale, and 1404 Candler Bldg., Atlanta, Ga., consult. engrs.; adv. E. N.-R. July 8.

Fla., Jacksonville — July 21, by City Comn., F. H. Owen, chn., and M. W. Bishop, secy., 15,650 ft. 8- to 15-in. sanitary and 39,620 ft. 15- to 48-in. storm sewers in various streets.

Fla., Orlando—July 14, by City Comrs., sanitary sewers in Lake Highland, Magnolia, Loch Haven and College Park Dists. J. A. Stinson, clk.; adv. E. N.-R. July 8.

Ala., Birmingham — Aug. 1, by City Comn., brick and concrete sewers in 6 blocks Beverly Pl. $38,000.

La., Lake Charles — July 21, by City Council, 10,570 lin.ft. 10- to 30-in. sewers in various streets. E. L. Gorham, comr. Streets & Parks.

O., Akron—July 10, by Bd. Control, sanitary and storm sewers in Riverside Blvd., Big Falls and Murray Aves. $104,000. J. E. Root, Municipal Bldg., engr.

O., Akron—July 15, by W. F. Peters, dir. Pub. Serv., 3,635 ft. 8- to 24-in. vitr. clay sewer and laterals in Crossier St. $26,500, 2,635 ft. Corice St. $14,800, and 2,625 ft. Kipling St. $16,000; 2,450 ft. 12- to 48-in. trunk sewer in Campbell St. et al, $27,900; 3,090 ft. 8- to 30-in. in La Follette St., et al, $24,600; and 3,265 ft. 8- to 20-in. in McKinley Ave., $17,000. J. E. Root, Municipal Bldg., engr. Noted Apr. 1.

O., Delaware—July 28, by City, sewage disposal plant. $200,000. G. B. Gascoigne, 1149 Leader News Bldg., sanitary engr.

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On this Cost Proposition—

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Material	Tons handled per hour	Handling cost per ton
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Sewers (Continued)

O., Lectonia—July 26, by L. E. Fisher, village clk., Village Hall, sanitary sewers and appurtenances; adv. E. N.-R. July 8.

Ia., Council Bluffs—July 12, by F. B. Jenkins, city clk., City Hall, 33,765 lin.ft. 6- to 10-in. sewers in 2nd Ave., Hall, Lee, 6th, Prospect, Harrison and 37th Sts. B. F. Walker, city engr. Noted June 10.

Minn., Albert Lea—July 12, by City, c/o C. J. Dudley, clk., sewage disposal plant, incl. 7,000 ft. 18 in. and 24 in. outfall sewers. $75,000 bonds voted. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Minn., Norwood—July 19, by Village, c/o H. G. Lenzen, recdr., 17,323 ft. 8 and 10 in. vitr. sewers in various streets, and sewage disposal plant, etc. $45,000.

Neb., Hastings—July 19, by A. T. Bratton, city clk., sewage disposal plant and approximately 8,865 ft. 21 and 30 in. outfall sewers, etc. in various streets. Former bids rejected. Henningson Eng. Co., Natl. Bldg., Omaha, engr. Noted June 17.

Calif., El Segundo—July 16, by City Trustees, 6- to 8-in. vitr. sewer, etc. in Collingwood St., to exceed $150,000. Former bids rescinded. R. T. Hutchins, city engr. Noted June 10.

Calif., San Diego—July 19, by Common Council, sanitary sewerage system east of 32nd St. and south of Q. St., 95,828 lin. ft. 6- to 16-in cement and 180 lin. ft. 6- 14-in. c.i. pipe, etc. F. A. Rhodes, city engr. Noted Mar. 25.

Contracts Awarded

R. I., Pawtucket—For 60 in. main trunk in York Ave. from Prairie to Walcott Aves., to M. A. Gammino Constr. Co., 728 Valley St., Pawtucket, $46,000. Engrs. est. $50,000.

Md., Baltimore—Bd. Awards sewers in Sewer Dists. J-7 and J-8, Sanitary Contr. 233, to F. Angelozzi Springlake Way and St. Dustans Rd., $22,699. Noted June 10.

W. Va., Huntington—Lateral sewers in Highlawn, to Lucian Bias, 2806 Ohio Ave., $29,365.

Ala., Birmingham—City Comn., 15- to 54-in. sewer between 7th and 52nd Sts., Woodlawn, to Donahue & Mayer Co., Amer. Trust Bldg., $129,246. Engrs. est. $150,000. Noted June 17.

La., Lake Charles — See "Streets and Roads."

Mich., Berkeley (br. Detroit) — Village **(S. A. D. means Special Assessment District)** to P. Cappello, 9779 Kresge Ave., Detroit, vitr. sewers in S.A.D. 40 $11,062, S.A.D. 41 $21,461, and in S.A.D. 42 $26,000; to S. A. Healy, 1007 Amer. State Bank Bldg., Detroit, S.A.D. 43 $3,600. Grand total $62,123.

Mich., Mt. Clemens—Macomb Co. Drain Comrs., Halfway Drain, Sect. A, to C. A. Handyside, Detroit, $281,085; Sect. B, to A. J. O'Sullivan Co., Port Huron, $285,629; Sect. C, to J. Porath, 903 Transportation Bldg., Detroit, $820,012; Sect. D, to Walbridge-Aldinger Constr. Co., 2356 Penobscot Bldg., Detroit, $699,000; Sect. E, to S. Fattore, 5426 Fischer St., Detroit, $63,200; and Sect. F, to Culbertson & Kelly Co., 872 West Milwaukee St., Detroit, $305,441. Grand total $2,454,367.

Ill., Libertyville—Village Clerk, 10,130 ft. 8 and 18 in. tile sewer pipe, etc., to S. J. Groves & Son, Minneapolis, 306 Globe Bldg., Minn., $19,691; also 7,800 ft. 6 and 8 in. sewers, to J. Malloy, $14,568. Noted June 17.

Calif., La Habra—For 6, 8 and 10 in. concrete sewer, etc. in various streets, to S. M. Milovich, 411 Whittier Blvd., Montebello, $37,175.

Calif., Los Angeles—Bd. Pub. Wks., 6 in. rein.-con. sewer in portion Fairfax Ave., to J. Tomei, 559 Madison Ave., Culver City, $49,760. Noted June 10.

Waste Disposal

Proposed Work

Ala., Birmingham—Voted $400,000 bonds, garbage incinerators. Noted Feb. 11.

Mo., Jefferson City—Election July 15, $20,000 bonds, garbage incinerator.

Tex., San Benito—Making plans incinerator, $15,000; also abbatoir, $7,500. Sanitary Eng. Co., P. O. Box 1512, Houston, consult. and superv. engrs.

Okla., Tulsa — Voted $75,000 bonds, garbage incinerator. C. Schultz, City Hall, engr.

Contracts Awarded

N. J., Trenton — Hamilton Twp. Com., Greenwood School Bldg., Greenwood Ave., incinerator for garbage and refuse Tampa, Miami, Knapp and Sylan Aves., to Karno Smith Co., Broad St. Bank Bldg., $26,728. Noted May 27.

Fla., Fort Myers—Constructing complete U-type incinerator plant, to Superior Incinerator Co., Wilson Bldg., Dallas, Tex., $42,700. Noted Apr. 8.

Bridges

Proposed Work

Mass., Brighton (Boston P. O.)—City of Boston plans new bridge over Boston & Albany R.R. tracks, at Franklin, here. $125,000. T. J. Hurley, chn. B. Street Comrs.

Mass., North Adams—City Commissioner Pub. Wks., City Hall, plans reconstructing Beaver St. Bridge, concrete. $25,000 or more. Engineer not selected.

Mass., Westfield — Plans concrete and steel bridge. $25,000 or more. Fay, Spofford & Thorndike, 200 Devonshire St., Boston, engrs.

Pa., Pittsburgh — Bd. Comrs. Allegheny Co., Court House, soon takes bids Bridge 3 over Laurus Run, at Ben Avon, incl. 10,050 lb. reinforcing, etc. $25,000. E. V. Corell, 519 Smithfield St., engr.

Fla., Ft. Lauderdale—Election July 16, $271,400 bonds, East Ave. span and approaches over New River; bridges over Tarpon River, at South 3rd St., over Himmarshee Canal at East Ave., over Tarpon River at East Ave., and over Colee Ave. Noted Feb. 19.

Ky., Carrollton—State Hy. Dept., Frankfort, plans one 160 ft. steel and four 45 ft. rein.-con. span bridges over Little Kentucky River, on State Aid Project 13, near here, Carroll Co. and 1.5 approaches to same. E. N. Todd, highway engr.

O., Sandusky—Syndicate, c/o G. S. Beckwith, Cedar Point, making preliminary surveys bridge over Sandusky Bay, here. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., and 55 Liberty St., New York City, N. Y., engrs.

Ind., Evansville—States of Indiana and Kentucky, plan 1 mi. bridge over Ohio River here. $3,500,000. W. J. Titus, State House, Indianapolis, engr. Noted June 26, 1925.

Michigan—See "Streets and Roads."

Michigan—State Hy. Dept. at Port Huron, takes bids about July 15, F. B. 740901, three 45 ft. spans, on F. A. 122, Sanilac Co. E. R. Benkert, Port Huron, resident engr.

Minnesota—See "Railways."

Tex., Cold Springs — See "Streets and Roads."

Tex., Madisonville — See "Streets and Roads."

Tex., San Antonio—City Comn., election soon $350,000 bonds, constructing 6 new and repairing present bridges. I. Ewig, city engr.

Okla., Shawnee—State Hy. Dept., Oklahoma City, making preliminary plans 2 span, 206 ft. steel truss bridge on concrete piers, here, Pottawatomie Co. $61,000. J. M. Page, Oklahoma City, engr.

Calif., Los Angeles — Los Angeles Co. making plans bridge over Los Angeles River, at Pacoima Ave., $30,000 or more; bridge over Los Angeles River, at Vineland Ave., $32,000; and bridge at entrance to Dark Canyon, $60,000 or more.

Calif., Oakland—Alameda Co. made plans constructing 90 ft. rein.-con. bridge over Alameda Creek, $30,000; 160 ft. rein.-con. bridge over Arroyo del Valle, $50,000; 90 ft. rein.-con. bridge over San Lorenzo Creek, $40,000; and Hacienda Bridge over Arroyo de la Laguna, $25,000 or more. G. A. Posey, Courthouse, engr.

Bids Desired

R. I., Providence—July 21, at office State Bd. Pub. Roads, State House, State Bridges 58, 208 and 210, known as New Pawcatuck Bridge in Charlestown and Richmond, Hunts Mills Bridge in East Providence, and Lawtons Mill Bridge in Exeter; adv. E. N.-R. July 8.

Pa., Pittsburgh — See "Streets and Roads."

Virginia—See "Streets and Roads."

Miss., Port Gibson — See "Streets and Roads."

Michigan—July 15, by State Hy. Dept., at Grand Rapids, 7 span 260 ft. steel plate girder bridge over Cedar Creek Channel, Muskegon River, Muskegon Co. $70,000. A. E. Melick, Lansing, state bridge engr. Noted Apr. 29.

Mich., Kalamazoo—July 23, at office H. A. Bland, city purch. agt., 3 span rein.-con. bridge across Kalamazoo River, on East Ave. Concrete-Steel Eng. Co., Park Row Bldg., New York City, N. Y., designing engrs.; adv. E. N.-R. July 8.

Illinois—July 14, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, three 50 ft. span concrete girder railroad overhead bridge on Route 2, Sect. 73-V, Lee Co.; four 60 ft. span concrete girder bridge, on Route 46, Sect. 11-B, Livingston Co.; one 30 ft. span concrete girder bridge on Route 4, Sect. 11-B-X, Livingston Co.; six 60 ft. span concrete girder bridge, on Route 7, Sect. E-1, La Salle Co.; one 39 ft. and two 42 ft. span railroad overhead bridge on Route 8, Sect. 40-V, Knox Co.; one 30 ft. span concrete girder bridge and concrete substructure for one 150 ft. span steel bridge with seven 50 ft. span concrete girder approaches, on Route 13, Sect. 15-B, Perry Co.; one 150 ft. span steel superstructure, on Route 13, Sect. 15-C, Perry Co., 160,500 lb. reinforcing, etc.; five 55 ft. span concrete girder bridge on Route 19, Sect. 25-B, McHenry Co.; one 160 ft. span concrete substructure with three 50 ft., one 26 ft. and one 18 ft. span concrete approaches, also one 120 ft. span substructure with two 40 and two 18 ft. span approaches on Route 24, Sect. 8-B, one 160 ft. and one 120 ft. span steel superstructures, on Route 24, Sect. 8-C, Sangamon Co., 294,670 lb. reinforcing, etc.; three 60 ft. and two 40 ft. span concrete girder railroad overhead bridge on Route 26, Sect. 4-V, Ogle Co.; two 50 ft. span concrete girder bridges, on Route 31, Sect. 1-B, Adams Co.; one 6 x 4 ft. concrete culvert on Route 1, Sect. 12-B, Bureau Co. F. T. Sheets, ch. highway engr.

Wis., Gays Mills—Crawford Co. (Prairie du Chiene), c/o J. N. Campbell, comr., Bell Center, taking bids 35 ft. rein.-con. and steel bridge, over Kickapoo River, here. $25,000. T. W. Reilly, Lancaster, engr.

Kan., Independence—July 21, by Clerk Montgomery Co., one 120 ft. and three 100 ft. span bridge. $59,023. Former bids rejected. Noted June 10.

Tex., Center—See "Streets and Roads."

Calif., Hanford — July 19, by Supervs. Kings Co., 180 ft. timber trestle over Cross Creek, southeast of here. R. May, Hanford, co. surv.

Contracts Awarded

New Hampshire — See "Streets and Roads."

Mass., Lancaster—State of Massachusetts, Room 413, State House, Boston, concrete bridge and approaches, here, to Milliken & Armstrong, 57 Eddy St., Providence, R. I., $25,459. Engrs. est. $25,000. Noted June 24.

Mass., North Adams—Commissioner Pub. Wks., reconstructing Brown St. Bridge, concrete, to G. H. Stebbins, 476 East Main St. $33,885.

N. Y., Bronxville—Westchester Co. Park Comn., 72 Pondfield Rd., stone and rein.-con. bridges, on Hutchinson River Parkway, in Mt. Vernon, Pelham and North Pelham, also grading and paving Rumsey Rd. Section Sawmill River Parkway, to J. Palladino, Inc., 4179 Park Ave., New York City, $109,255. Noted June 10.

New Jersey—State Hy. Dept., Trenton, constructing bridge over Cooper River, on Camden Connecting Rd.-South, Camden Co., to Brann & Stuart, Commercial Trust Bldg., Phila., Pa., $118,847; and removing old highway bridge over Raritan River between Perth Amboy and South Amboy, Middlesex Co., to G. Wickberg & Son, 130 Catalpa St., Perth Amboy, $78,000. Noted June 24.

Pa., Midland — Pennsylvania R.R. Co., Broad St. Sta., Phila., two 30 ft. rein.-con. span, double track bridge, here, to E. H. Dolson, 116 Birmingham Ave., Avalon. Engrs. est. $30,000.

Alabama—For 257 ft. concrete bridge over Big Wills Creek, Federal Aid Project 165, Etowah Co., to S. C. Taylor, Wilsonville, $29,516; and treated timber trestle on Fruitdale-Mobile Co. Line Rd., Washington Co., to Z. D. Fountain, Hattiesburg, Miss., $58,909; also on Linden-Thomaston Rd., Marengo Co., to Nixon & Phillips, Lineville, $31,897. Grand total $120,322.

Miss., Quitman—See "Streets and Roads."

Kentucky — State Hy. Dept., Frankfort, substructure and five 50 ft. rein.-con. girder approach spans for 275 ft. steel bridge over Kentcuky River, Camp Nelson, on State Project 23-A, Garrard and Jessamine Counties, to E. F. Bates, Danville, $54,098, superstructure of above to Mt. Vernon Bridge Co., Mt. Vernon, $42,822; one span 50 ft. rein.-con. overpass over Chesapeake & Ohio R.R. tracks, State Aid Project 4, Clark Co., near Winchester, and 3 span 130 ft. rein.-con. overpass over Louisville & Nashville R.R. tracks, State Aid Project 29-D, Lee Co., near St. Helens, to Wilson Foundation Co., Frankfort, $6,613 and $18,722 respectively. Grand total $122,255.

Indiana—State Hy. Dept., Indianapolis, **(s.t. means steel truss, r.c.g. rein.-con. girder, e.c.g. encased plate girder, r.c.a. rein.-con. arch, r.c.s. rein.-con. slab, r.c.b. rein.-con. box, S.R. State Road and e.c. engrs. est.)** 1 s.t. on S.R. 22-1, Crawford Co., and 1 s.t. on

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No Vitrified Brick Pavement Ever Wore Out from The Top Down

EXAMINE the oldest vitrified brick pavement in your neighborhood, some hard-worked veteran of 25 to 35 years of service. Then note this—

—the present surface may not be as smooth today as when it was laid *but* the brick themselves are not worn out or broken up. If the foundation was adequately planned and adequately drained, the surface is still as serviceable as when laid.

No surfacing material can make a good street or road if the foundation is inadequate or badly drained. See to it that you get the right foundation and then surface it with vitrified brick—the pavement that outlasts the bonds. Let your community be free for a quarter-century or more from the rising taxes that inevitably follow excessive paving maintenance, repairs or replacements.

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Alton, Ill.
Binghamton Brick Company
Binghamton, N. Y.
Central Clay Products Co.
(Distributors MACK Paving Brick)
Wilkes-Barre, Pa.
Cleveland Brick & Clay Company
Cleveland, Ohio
Clydesdale Brick & Stone Co.
Pittsburgh, Pa.
Coffeyville Vitrified Brick & Tile Co.
Coffeyville, Kans.
Collinwood Shale Brick Company
Cleveland, Ohio
Francis Vitric Brick Company
Boynton, Okla.
Georgia Vitrified Brick & Clay Co.
Augusta, Ga.
Globe Brick Company
East Liverpool, Ohio
Hisylvania Coal Co.
Columbus, Ohio
Hocking Valley Brick Company
Columbus, Ohio
Independence Paving Brick Co.
Independence, Kans.
Metropolis Paving Brick Co.
Pittsburg, Kansas
Metropolitan Paving Brick Co.
Canton, Ohio
Mineral Wells Brick Co.
Mineral Wells, Texas

Moberly Paving Brick Company
Moberly, Mo.
Murphysboro Paving Brick Co.
Murphysboro, Ill.
Nelsonville Brick Co.
Nelsonville, Ohio
Peebles Paving Brick Company
Portsmouth, Ohio
Purington Paving Brick Company
Galesburg, Ill.
Southern Clay Mfg. Company
Chattanooga, Tenn.
Springfield Paving Brick Company
Springfield, Ill.
Sterling Brick Company
Olean, N. Y.
Streator Clay Mfg. Company
Streator, Ill.
Thornton Fire Brick Co.
Clarksburg, W. Va.
Thurber Brick Company
Ft. Worth, Texas
Toronto Fire Clay Company
Toronto, Ohio
Trinidad Brick & Tile Company
Trinidad, Colo.
Veedersburg Paver Company
Veedersburg, Ind.
Western Shale Products Company
Fort Scott, Kans.
Westport Paving Brick Company
Baltimore, Md.

OUTLAST THE BONDS

NATIONAL PAVING BRICK MANUFACTURERS ASSOCIATION, ENGINEERS BLDG., CLEVELAND, OHIO

Bridges (Continued)

S.R. 22-K, Orange Co., to Vincennes Bridge Co., Vincennes, $36,972 e.e. $41,170; grading and 1 e.c.p., Scott Co., to J. F. Beggs & Co., Scottsburg, $29,426 e.e. $36,972; 2 r.c.a. on S.R. 10-K, Vigo Co., to Walter Bros., Lanesville, $50,629 e.e. $50,883, 1 s.t. S.R. 34-D, Fayette Co., to Hoosier General Constr. Co., Connersville, $7,932 e.e. $9,137; 1 s.t. on S.R. 12-1, Owen Co., to W. H. Grammer & Son, 901 North Barker Ave., Evansville, $13,618 e.e. $14,659; grading and 1 s.t. S.R. 25-C, La Grange Co., to J. E. Sweet & Sons, Woodburn, $8,697 e.e. $8,797; 2 r.c.g. S.R. 31-E, Putnam Co., to Wasnidge & Leonard, Jasonville, $11,882 e.e. $13,396; 1 r.c.s., 1 r.c.b. and 1 r.c.g., all on S.R. 39-A, Marion Co., to Kernodle & Fulweider, Lebanon, $22,093 e.e. $28,106; grading, 1 s.g. and 1 s.t. on S.R. 1-D, Scott Co., to Hutchinson Constr. Co., Indianapolis, $105,884 e.e. $129,775. Grand total $287,133.

Indiana—J. D. Williams, dir. State Hy. Comn., Indianapolis, **(e. e. means engineers estimate, r. c. g. rein.-con. girder, e. p. g. encased plate girder, s. t. steel truss, r. c. a. rein.-con. arch, r. c. s. rein.-con. slab, and S. R. State Road)**, to Hamilton & Lancaster, 1 r. c. g. on S. R. 3-E, Clay Co., $11,783, e. e. $13,206; to W. H. Grammer & Son, 901 North Barker Ave., Evansville, grading and 1 e. p. g., S. R. 3-F, Putnam Co., $29,549 e. e. $36,494, and 1 r. c. g., S. R. 7-K $6,635 e. e. $6,833, 1 s. t. and 2 r. c. g. on S. R. 11-G, $21,206 e. e. $24,670, all foregoing in Huntington Co.; to Hay & Campbell, Boonville, 2 r. c. g., S. R. 10-D, Knox Co., $11,660 e. e. $14,638, and 2 r. c. s., on S. R. 28-D, Daviess Co., $10,780 e. e. $12,885; to Ryan & Ryan, Washington, grading and 1 r. c. g., S. R. 10-F, Knox Co., $27,937 e. e. $31,333; to Elkhart Bridge & Iron Co., Elkhart, 1 s. t., S. R. 1-H, Bartholomew Co., and 1 s. t., S. R. 1-I, Johnson Co., $115,433 e. e. $131,776; to G. T. Miller Constr. Co., Lebanon, 1-S-WK. W. Side, S. R. 1-V, Fulton Co., $16,150 e. e. $17,257; to W. Marshall Co., Lafayette, 1 r. c. g. and 1-S-WK. N. Side, S. R. 33-B, both in Fountain Co., $35,582 e. e. $43,326; to McGreevey Bros., Logansport, 2 r. c. g. S. R. 27-D, Kosciusko Co., $17,933 e. e. $18,784; to H. V. Hay, Boonville, 1 r. c. s., S. R. 28-A, and 1 r. c. g., S. R. 28-B, both in Pike Co., $7,499 e. e. $10,083; to Clements & Veal, Williamsburg, 1 r. c. g., S. R. 31-E, Putnam Co., $3,237 e. e. $4,069. Grand total $315,385. Noted May 20.

Fla., Safety Harbor—City Comn., rein.-con. deck girder bridge, to have 60 ft. clear waterway, 40 ft. roadway, etc., over Mullet Creek opposite 1st Ave., to Luten Bridge Co., Clearwater and Safety Harbor. $26,500. Noted Apr. 29.

Wis., Kenosha—See "Streets and Roads."

Ia., Hampton—See "Strets eand Roads."

Ia., Mason City — Cerro Gordo Co., 1 I-beam and 1 deck girder bridges, to C. A. Holvik, Mason City, $5,762; also 1 pony truss, 1 I-beam, and 1 cantilever deck girder bridges, to Henkel Constr. Co., Mason City, $21,920.

Minnesota and Wisconsin—J. B. Finch, pres. Arrowhead Bridge Co., 306 Palladio Bldg., Duluth, Minn., steel superstructure, 4,200 ft. bridge over St. Louis River, connecting Duluth, Minn., and Superior, Wis., to Peppard & Fulton Co., 217 Bd. of Trade Bldg., Superior, Wis., $300,000. Noted June 10.

Ark., Kragen — Missouri & Pacific R.R. Co., Railway Exch., St. Louis, Mo., E. A. Hadley, ch. engr., new truss span and protect new piers of Bridge 87, to Frankman Bros. Bridge & Constr. Co., Box 1397, St. Louis, Mo.; and steel work, to Virginia Bridge & Iron Co. Engrs. est. $138,400.

Calif., Los Angeles—Bd. Pub. Wks., 402 ft. span rein.-con. girder bridge, over Los Angeles River, on Fletcher Dr., to Lynch-Cannon Eng. Co., Chapman Bldg., $253,080. Noted June 10.

Ont., London — City Council structural steel for highway bridge on Ridout St., to Hamilton Bridge Wks. Ltd., Bay St., Hamilton, $53,380; and concrete pier to city by day labor, $9,429.

Dams

Proposed Work

N. Y., Canadea—Rochester Gas & Electric Corp., East Ave., Rochester, making plans rein.-con. dam, etc., for hydro electric project, on Canadea Creek, here. $3,000,000. Private plans.

Bids Desired

Texas—Guadalupe Co. (Seguin) taking bids 3 earth and concrete dams on Guadalupe River between Seguin and New Braunfels. $2,500,000. Address A. J. Wirtz, Seguin, senator.

Contracts Awarded

Wis., Delton — Della Area Development Assn., 1023 1st Natl. Bank Bldg., Milwaukee, and 305 Union Bank Bldg., Chicago,, Ill., rein.-con. dam, 150 ft. wide, 18 ft. head; also two 600 ft. and two 300-400 ft. dykes to create 3.1 mi. artificial lake, ½-1 mi. wide, here, Sauk Co., to W. J. Newman Co., 19 North Curtis St., Chicago, Ill. Engrs. est. $25,000.

Railways

Proposed Work

North Carolina and Virginia—Norfolk & Western Ry. Co., W. P. Wiltsee, ch. engr., Roanoke, Va., plans additional passing sidings between Winston-Salem, N. C., and Roanoke, Va., also automatic block signals, 400 volt transmission line, electrical equipment, etc. $9,100,000.

Tenn., Chattanooga—U. S. Dickey Clay Pipe Co., Chattanooga, plans 0.5 mi. industrial track in Chattanooga connecting railroad at Graysville. To exceed $25,000.

Minnesota — Minneapolis, Northfield & Southern R.R. Co., R. C. Smith, ch. engr., 208 Lincoln Bank Bldg., Minneapolis, soon takes bids constructing 1.5 mi. cutoff near Northfield and 0.5 mi. spur track at St. Louis Park; reconstructing 1.5 mi. track between Minneapolis Auto Club and Savage; ballasting approximately 15 mi. track between Lakeville and Northfield; remodeling and enlarging roundhouse, shops, coal chute buildings, Glenwood; also constructing new steel and concrete bridge over Minnesota River at Savage. $1,500,000.

Missouri and Ohio—Pennsylvania R.R. Co., Broad St. Sta., Phila., Pa., A. C. Shand, ch. engr., plans to expend $6,000,000 double tracking between St. Louis, Mo., and Columbus, O., during 1927. Total $45,000,000.

Bids Desired

Missouri — See "Waterworks under St. Louis."

Contracts Awarded

Pennsylvania — A. C. Shand, ch. engr. Pennsylvania R.R. Co., Broad St. Sta., Phila., constructing concrete viaduct, abutments, piers, laying track, etc., along Delaware River Extension in 25th St. between Ellsworth St. and Passyank Ave., Contr. 18, to Sinclair & Griggs, Medical Arts Bldg., Phila. $1,840,071. Noted June 24.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Dartmouth—J. P. Sherman plans sea wall and filling in Apponagansett River. $25,000. Engineer not selected.

Mass., Harwich — Town plans masonry wall and solid filling in Witchmere Harbor. $25,000. Engineer not selected.

Conn., Bridgeport—City, City Hall, plans seawall in Black Rock section. $250,000. J. A. McElroy, City Hall, engr.

N. C., Wilmington—Hugh MacRae & Co. plan 900 ft. concrete seawall at north end of Wrightsville Beach, also dredging Banks Channel.

Fla., Ft. Pierce—Voted $500,000 bonds, completing inlet.

Miss., Bay St. Louis—Election in September to vote on bonds, constructing 11 mi. seawall, incl. Waveland Wall, and connecting Bay St. Louis wall and Bay Ladosse near mouth Jordan River. J. W. Billingsley, Interstate Bldg., New Orleans, La., engr.

Minn., Albert Lee—Freeborn Co. making plans constructing approximately Ditch 40, 1.5 mi. open work and 3.5 mi. pipe installation, $25,000; also approximately 5 mi. pipe line Judicial Ditch 11, $30,000. Midwest Eng. Co., Albert Lee, engrs.

Tex., San Antonio—Soon takes bids 650 ft. rein.-con. and stone overflow channel, 70 ft. wide. $250,000. S. F. Crecelius, 201 Torcido Dr., engr.

Bids Desired

Fla., West Palm Beach—July 16, by Bd. Comrs. Lake Worth Inlet Dist., Wilson-Wagg Bldg., dredging approximately 180,000 cu.yd. from Slip and Basin at Lake Worth Terminal.

Contracts Awarded

Fla., West Palm Beach—Bd. Comrs. Lake Worth Inlet Dist., 208 Fern St., placing 65,000 tons rock on jetties, to Merritt, Chapman & Scott, 17 Battery Pl., New York City, N. Y. Noted June 3.

La., Lake Charles — State Hy. Comn., Reymond Bldg., Baton Rouge, completing embankment in Sabine Marsh, on Old Spanish Trail, west of here, to Gifford Constr. Co., N. Texas Bldg., Dallas, Tex., $234,500.

Streets and Roads

Proposed Work

Mass., Boston—Dept. Pub. Wks., plans extending River St., $25,000, also extending and widening Oakland and Ashland Sts., West Roxbury, $50,000. J. H. Sullivan, comr.

Pa., Scottsdale—Making plans rein.-con. paving, etc. 2,800 ft. Eleanor and North Bway. Aves., 24 and 30 ft. $50,000. T. B. Gibson, Boro Bldg., engr.

Md., Baltimore — Bd. Awards rejected bids June 9, asphalt paving 14,640 sq.yd. streets listed in Contr. 343. Noted June 3.

N. C., Greensboro—Guilford Co. plans sand clay surfacing 3 mi. road from Groometown to Randleman Rd., and 5 mi. road from South Elm St. to point near Ritters Lake, 30 ft. $30,000. J. G. Foushee, comr.

N. C., Greensboro — Soon takes bids paving various streets. $500,000. P. C. Painter, Greensboro, city mgr.

Fla., Sarasota Heights — Council plans paving, etc. portions Bay-View Dr., Mulberry, Puritan and Sunset Aves., etc. $116,338.

Fla., Tampa—Plans 2½ in. asphalt block on 6 in. rock or shell paving Ola St. from Plymouth St. to Buffalo Ave., $56,801; and vitr. brick on 8 in. rock or shell paving Willow Ave. from Grand Central to Main Sts., $106,388. R. D. Martin, City Hall, engr.

La., Covington — St. Tammany Parish voted $35,000 bonds, grading, graveling, etc., road from Bayou Lacombe to Goose Point.

La., New Orleans—Comn. Council plans paving 11 mi. Delgado Ave., St. Marks Court, Harding Dr., St. Philip St. from North Rampart to St. Claude Ave., St. Philip St. from St. Claude to North Claiborne Sts., St. Philip St. from North Galvez to North Hagen Aves., and St. Philip St. from St. Charles Ave. to Dryades St., Baronne, Brainard, South Galvez, Upperline, North Miro, South Johnson, D'Abadie, Dublin, Rendon, Cohn, Spruce, Freret, Leonidas, Orange, Pine, Delaronde, Evelina, Broadway, Edinburg, Audubon, Clara, Catina, General Ogden, Royal Sts., etc. $1,000,000.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids in September, grading, etc. 8 in. Coekeville-Baxter Rd., Putman Co. C. N. Bass, highway comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids in September grading, etc., 19.5 mi. Duff-Jellico Rd., Campbell Co.; 8 mi. Newbern-Obion Co. line Rd., Dyer Co.; 12 mi. Boliver-McNairy Co. line Rd., Hardeman Co.; 13 mi. Selmer-Hardeman Co. line Rd., McNairy Co., and 6.5 mi. McMinnville Rd., Warren Co. C. N. Bass, comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys improving 5 mi. Milan-Atwood Rd., Gibson Co.; 4 mi. Savannah-Crump Rd., Hardin Co., and 8 mi. Chattanooga-Silverdale Rd., Hamilton Co. C. N. Bass, highway comr.

Tenn., Carthage—Smith Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 10 mi. Carthage-Cookeville Rd. Above road built with state aid funds. Noted May 20.

Tenn., Linden—Perry Co. and State Dept. Highways & Pub. Wks., Nashville, plan improving 8 mi. Linden-Beardstown Rd. To exceed $25,000. C. N. Bass, highway comr.

Tenn., Maryville—Blount Co. and State Dept. Highways & Pub. Wks., Nashville, plan improving Maryville-Sevier Co. line Rd., $35,000. C. N. Bass, highway comr. F. W. Webster, Knoxville, div. engr.

Tenn., Newport—Cooke Co. plans improving 6 mi. Nough-Carolina State line Rd. To exceed $25,000.

Tenn., Winchester—Plans paving various streets. To exceed $25,000.

Kentucky—State Hy. Dept., Frankfort, takes bids in July, grading, etc. 4.5 mi. Owingsville-Farmers Rd., Bath Co., 11 mi. Princeton-Dawson Springs Rd., Caldwell and Hopkins Counties, 7 mi. Greensburg-Hodgenville Rd., Green Co., 4.7 mi. Brandonburg-Vine Grove-Radcliffe Rd., Hardin

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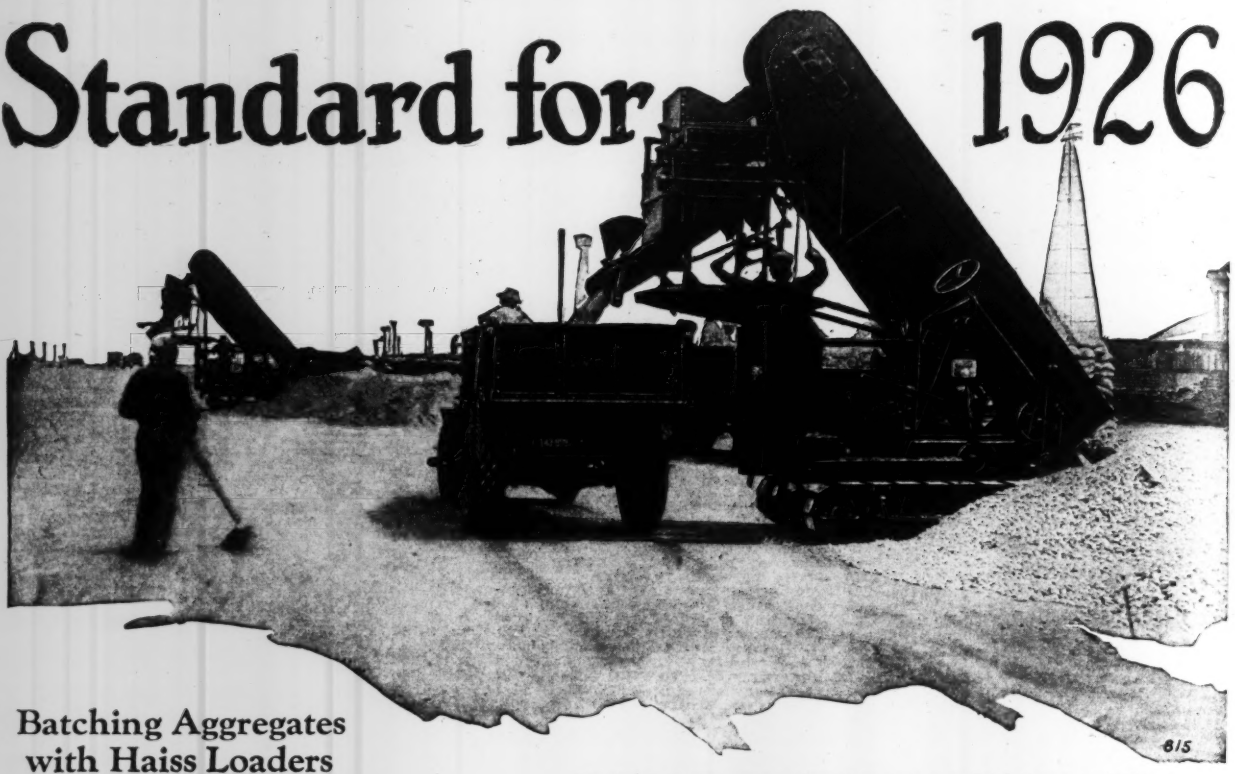

The above illustration pictures two Haiss Loaders owned by American Asphalt Paving Co., Chicago, Ill., loading batch trucks, a part of that Company's first paving unit to start work in 1926.

Batching Aggregates with Haiss Loaders and Haiss Precision Measuring Hoppers

The perfection of the Haiss Precision Measuring Hopper, with its micrometer setting and easy-acting strike-off maintains the HAISS LOADER in that dominant position which its super-ability has placed it.

The list of contractors who buy Haiss Loaders by preference testifies to the fact that experience has proven the greater service value of heavy duty equipment. And that describes the Haiss—a heavy duty loader, and therefore lower in upkeep and over-all operating cost. Consider well its features of superior design:

- Enclosed transmission and clutches—running in oil and free from the grinding wear of dust and grit.
- Patented revolving paddle feeding device—the simplest and most effective.
- Haiss designed Creeper treads.
- Few and easily-handled controls.
- 37-hp. Waukesha Motor—for reserve power when needed.
- Rigidly pivoted elevator with worm gear raising and lowering device.
- Stronger elevator chains and toothed one-piece buckets.
- 14,500 lbs. all-steel construction.

Ask for Catalog 523 and our booklet "Feeding the Paver."

Manufacturer of
THE GEORGE HAISS MFG. CO. INC
Established 1892
--Truck and-- Wagon Loaders
Portable Belt Conveyors
Clam Shell -- Buckets --
Mat'l Handling Equipment.

140th Street and Rider Avenue, New York

Representatives Throughout the World
Millars Timber & Trading Co., London, British Representative.
Cable Address "Coalhoist" New York—"Western Union 5 Letter Edition" Code.

Streets and Roads (Continued)

Co. and 7 mi. Paducah-Wickliffe Rd., McCracken Co.; surfacing 8 mi. Round Gap-Seco Rd., Letcher Co., 6 mi. Shelbyville-Mt. Eden Rd., Shelby Co., 6.6 mi. Taylorsville-Bloomfield Rd., Spencer Co., 5.5 mi. Sturgis-Marion Rd., Union Co., and 9.5 mi. Morganfield-Sturgis Rd., Union Co. E. N. Todd, highway engr.

Ky., Carrollton—See "Bridges."

O., Columbus—Made plans grading, curbing and paving 1,958 ft. Moler St., 26 ft., brick, $50,370, and asphalt $40,454. R. H. Simpson, city engr.

O., Dayton — Montgomery Co. plans elevating 1,000 ft. Dixie Highway 25 ft., 30 ft. wide in order to eliminate railroad crossing below Dayton. $125,000. W. O. Pease Co., Court House, engr.

O., Portsmouth—City Council plans grading, curbing and paving, etc. 950 ft. 25th St. from Scioto Trail to Richardson Rd., 30 ft., brick $29,432 and asphalt $26,540.

Ind., Anderson—Madison Co. plans concrete curbing and paving 1 mi. West 10th St. from John to Raible Sts., $60,000; and concrete paving West 16th St., $26,000. A. Steele, Anderson, engr.

Ind., South Bend — St. Joseph Co. plans paving Cedar and Xanttus Rds. $27,265; also Violet Rd., $27,130.

Michigan—State Hy. Dept. at comrs. office, Plymouth, takes bids about July 13, grading 6.051 mi. A. D. 1120, Sect. A, 56 ft., Macomb Co. W. W. Lavers, Plymouth, resident engr.

Michigan—State Hy. Dept. at comrs. office, Three Rivers, takes bids about July 14, widening 0.7 mi. T. L. 60-7, 20 ft., St. Joseph Co. R. A. Beers, Kalamazoo, engr.

Michigan—State Hy. Dept. at comrs. office, Plymouth, takes bids about July 14, concrete paving 7.081 mi. and constructing 3 bridges on A. D. 418, 20 ft., Monroe Co. W. W. Lavers, Plymouth, resident engr.

Michigan—State Hy. Dept. at comrs. office, Port Huron, takes bids about July 14, concrete paving 2.5 mi. T. L. 27-2f and 3.5 mi. T. L. 27-10, both 20 ft., St. Clair Co.. E. R. Benkert, resident engr.

Michigan—State Hy. Dept. at comrs. office, Saginaw, takes bids about July 12, concrete paving 1.8 mi. T.L. 46-6, 20 ft., Gratiot Co. R. W. Roberts, Saginaw, resident engr.

Michigan—State Hy. Dept. at comrs. office, Plymouth, takes bids about July 20, grading 6.231 mi. T.L. 1922, Macomb Co. W. W. Lavers, Plymouth, resident engr.

Michigan — State Hy. Dept. at comrs. office, Grand Rapids, takes bids about July 6, grading and concrete paving 2.5 mi. T. L. 54-17 20 ft., Newaygo Co. C. H. Fleming, Grand Rapids, resident engr.

Mich., Clawson—Plans 101,000 sq.ft. 4 in. concrete sidewalks, and 3,200 sq.ft. 6 in. cross walks on various streets. $25,000. N. H. Huntley, village engr.

Mich., Detroit — Making plans concrete curbing, 3½ in. sheet asphalt on 8 in. concrete paving 21,300 sq.yd. Lonyo Rd., $81,-920; 1,880 sq.yd. Halleck Ave., $7,230; 2,400 sq.yd. Marlborough Ave., $9,050; 3,620 sq.yd. Whithorn Ave. $14,470; 2,720 sq.yd. Heintz Ave., $10,900; 2,400 sq.yd. Newport Ave., $9,050; 22,530 sq.yd. Mack Ave., $219,240. P. A. Fellows, city engr.

Ill., Chenoa — Making preliminary plans grading, curbing and concrete paving, etc. various streets. $46,000. Taylor & Woltman, Unity Bldg., Bloomington, engrs.

Ill., Galesburg—Plans grading, curbing, guttering, paving and removing old pavement on 31,640 sq.yd. North Broad St. $141,793. A. L. Richey, City Hall, engr.

Ia., Cresco—Howard Co., grading, etc. 31,655 cu.yd. Secondary Road System, to B. M. Diltz, Swaledale. Noted June 10.

Ia., Hampton—Franklin Co., grading, etc. 3.97 Secondary-Primary Project S-39, to C. McDonald, Mankato, Minn., $20,612; and two 18 x 70 ft. pony truss span bridges, to C. A. Holvik, Mason City, $12,475.

Ia., Muscatine — Muscatine Co. voted $950,000 bonds, paving 19.07 mi. and graveling 53.43 mi. primary roads, also 56.13 mi. secondary roads. F. P. G. Halbfass, Muscatine, co. engr.

Ia., Nevada—Postponed indefinitely grading, curbing and paving Lincoln Ave., Avenues K and J, etc. Noted June 24.

Ia., Schleswig—Making preliminary plans grading, curbing, concrete or asphalt paving 50,000 sq.yd. various streets. $175,000. J. H. Mayne, 103 Pearl St., Council Bluffs, engr.

Ia., Toledo—Tama Co. voted $1,437,000 bonds, improving various roads. L. W. Croft, Court House, engr.

Ia., Vinton—Benton Co. voted $400,000 bonds, improving various roads. M. A. Hall, Court House, engr.

Ia., Waterloo—Making plans asphalt paving 40 blocks various streets. N. Barber, Waterloo, engr. Noted May 27.

Minn., Silver Lake—Making plans paving, etc., approximately 15 blocks Main St. $53,000. Engineer not announced.

Kan., Atchison—Atchison Co. plans grading, etc. 4.572 sq.yd. Federal Aid Project 349-A. R. D. Coleman, Atchison, co. engr.

Kan., Hiawatha—Brown Co. made plans grading, etc. 9.978 mi. Federal Aid Project 348-A. S. K. McCrary Co., Hiawatha, co. engr.

Kan., Iola—Allen Co. rejected bids hard surface treated macadam paving 10 mi. road south of here. Will readvertise. A. R. Stroup, Iola, engr.

Kan., Marion—Marion Co. plans grading, etc., 10.747 mi. Federal Aid Project 290-B. C. M. Hartsock, Marion, co. engr.

Kan., Seneca—Nemaha Co. made plans grading, etc. 7.727 mi. Federal Aid Project 225-D. L. P. Price, Seneca, co. engr.

North Dakota — State Hy. Dept. and Comrs. McHenry Co., Court House, Towner, grading, etc., 9.654 mi. Federal Aid Project 270-D, to P. Ehr, Minot, $32,610. Noted May 6.

Mo., Kansas City—Jackson Co. making plans and soon takes bids paving 3.5 mi. various roads, 18 ft. To exceed $50,000. L. Koehler, Court House, engr.

Mo., Keytesville — Voted $25,000 bonds, grading, paving, etc. various streets. O. G. Dameron, City Hall, engr.

Mo., St. Louis—See "Unclassified."

Ark., Newport — L. I. Bowen, chn. City Comn. takes bids about Aug. 24, grading, curbing and 7 in. rein.-con. paving 15,000 sq.yd. Paving Dist. 11. $50,000. Bowman-Morrow Eng. Co., 201 Courthouse, engrs.

Tex., Anson—Jones Co. made plans and soon takes bids gravel surfacing 15.265 mi. Highway 18, Federal Aid Project 477-C, Unit 2, 18 ft. $57,200. J. W. Puckett, Stamford, co. engr.

Tex., Atlanta—Making plans paving various streets. $50,000. Koch & Fowler, Central Bank Bldg., Dallas, engrs.

Tex., Beeville — Making plans paving various streets. $25,000. R. Fenner, Beeville, engr.

Tex., Brenham—Washington Co. plans rein.-con. paving 18.3 mi. Highway 36 through Washington Co., 18 ft. $560,000. State appropriates $300,000 towards cost. G. A. Bracher, Brenham, co. engr.

Tex., Clarksville—Red River Co. making plans gravel surfacing 15.05 mi. Highway 5 from English through Clarksville, 16 ft. $35,000. F. C. Packard, Paris, div. engr.

Tex., Cold Springs—San Jacinto Co. making plans grading and bridging 5.492 mi. Highway 35, State Aid Project 612, 26 ft. $39,500. R. H. Spiller, Cold Springs, engr.

Tex., Crystal City—Zavalla Co., election July 17, $550,000 bonds, hardsurfacing 40 mi. highway. G. M. Jowers, Batesville, engr.

Tex., Eagle Pass — Maverick Co. soon takes bids gravel surfacing 12.09 mi. Highway 85 State Aid Project 569-A, $43,400; and 11.96 mi. same road State Aid Project 569-B, $79,100, both 18 ft. C. E. Wright, Eagle Pass, co. engr.

Tex., Fort Worth—Making plans widening and paving 12 blocks West 12th St. between Jenning and Throckmorton Sts. $90,000. D. L. Lewis, city engr.

Tex., Gainesville—Making plans paving various streets. $50,000. G. C. Cartwright, Gainesville, engr.

Tex., Gainesville — Making plans hard paving 4 streets. $35,000. G. S. Cartwright, Gainesville, engr.

Tex., Groveton—Trinity Co. making plans and soon takes bids grading, bridging, etc., 7.983 mi. Highway 94, 26 ft. $64,500; also 5.123 mi. same road from point 3 mi. northeast Apple Springs to Neches River. $68,700. J. O. Booker, Lufkin, resident engr.

Tex., Harlingen — Voted $25,000 bonds paving various streets. Address D. W. Schueback, city secy. Noted June 24.

Tex., Houston—Harris Co. making plans Bates type section concrete paving 3.8 mi. State Highway 6, Galveston-Houston Rd., 18 and 20 ft. $120,000. Howe & Wise, 1st Natl. Bank Bldg., engrs.

Tex., Kerrville—Kerr Co. plans hardsurfacing 20 mi. Highway 41 from Mountain Home in Kerr Co. to Real Co. line, etc. $200,000. Address L. Wallace, Kerrville, judge.

Tex., Laredo — Webb Co. making plans grading, bridging and bituminous macadam paving, etc. 6.6 mi. Highway 12-A, 18 ft. $98,000. T. E. Huffman, Laredo, co. engr.

Tex., Madisonville — Madison Co. made plans and soon take bids rein.-con. paving, bridging, etc. 12.562 mi. Highway 21, Federal Aid Project 490-A, 26 ft. $104,205. S. J. Granberry, Madisonville, co. engr.

Tex., Panhandle—Election July 14, $1,-000,000 bonds, constructing 86 mi. Highways 33 and 75. Address J. A. Whiteside, Panhandle, co. judge.

Tex., Port Lavaca—Calhoun Co. making plans surfacing with shell and bituminous topping 10.7 mi. Highway 29 from Port Lavaca to Victoria Co. line, 18 ft. $65,000. A. Schlafli, La Grange, div. engr.

Tex., San Benito—Takes bids after July 10, paving 75 to 80 blocks various streets. $150,000. Agar & Gentry, San Benito, engr.

Tex., San Juan—Takes bids after July 10, paving 16 blocks various streets. $60,-000. M. B. Gore, San Juan, engr. Noted May 13.

Tex., Robstown — Making plans paving 40 blocks various streets. $60,000. Engineer not announced.

Okla., Anadarko — Plans grading and waterbound macadam paving 26,000 sq.yd. Oklahoma Ave., 7th, 8th and 9th Sts. $65,000. R. O. Bradley, Chickasha, engr.

Okla., Burbank — Making preliminary plans grading and paving 6 blocks 1st and Main Sts., 30-56 ft. $28,000. W. J. Whitbeck, mayor. Engineer not selected.

Okla., Kildare—Making preliminary plans improving 4 blocks Main St., 76 ft. $28,000. H. C. Myers, city clk. Engineer not selected.

Okla., Oklahoma City — Plans grading, curbing and concrete paving 4,600 sq.yd. North Harvey St. $32,000, 9,800 sq.yd. West 4th St. $57,000, and 6,400 sq.yd. East A Ave., $26,000; grading, curbing and sheet asphalt paving 7,100 sq.yd. South Walker St. $30,000, and 6,600 sq.yd. South Central St. $34,000. B. M. Hart, City Hall, engr.

Okla., Pauls Valley—Plans grading and concrete paving 11,800 sq.yd. Guy, Chickasaw and Bert Sts. $27,400. A. Harris, city clk. Engineer not selected.

Okla., Ponca City — Defeated $71,000 bonds, paving 11 blocks North Union St. E. A. Jones, Ponca City, engr.

Okla., Stillwater—Payne Co. plans election $1,000,000 bonds, improving 128 mi. various roads. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Okla., Tulsa—Voted $60,000 bonds improving various streets in Downtown Dist. C. Schultz, City Hall, engr.

Okla., Wewoka—See "Unclassified."

Okla., Wewoka—Plans sidewalks on 127 blocks various streets. $44,000. D. R. Fraser, Wewoka, engr.

Ore., Portland—Multnomah Co. making plans constructing 6 mi. macadam road between Bull Run Head-works and Bear Creek Reservoir, 20 ft. $150,000. O. Laurgaard, City Hall, engr.

California—A. O. Stewart, 58 Sutter St., San Francisco, made plans grading, etc. 12 mi. Vallejo-Sears Point Highway, Solano Co. T. D. Kilkenny, City Hall, Vallejo, engr.

California—State Hy. Comn., Sacramento, making plans constructing 4 mi. Redwood Highway link between Fortuna and Loleta, Humboldt Co.; also concrete paving 6.8 mi. Mountain Springs Grade on El Centro-San Diego Highway. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., Bakersfield—Kern Co. plans paving Santa Barbara-Ventura Highway. $25,000.

Calif., Bakersfield—Kern Co. plans improving roadways in Mt. Whitney Joint Highway Dist., $50,000, and in Dists. 3 and 4, etc., $58,000.

Calif., Compton—Plans 8 in. concrete and asphaltic concrete on bituminous surfacing, etc., portion Main St., etc. To exceed $25,-000.

Calif., Hermosa Beach — Plans election bonds to exceed $25,000, resurfacing various streets.

Calif., Los Angeles—Made plans curbing, walks and 6 in. concrete paving 86,722 sq.ft. portion Ganahl St., and 2 in. Warrenite-bitulithic surfacing 104, 332 sq.ft. Banning Blvd. between M and J Sts. J. C. Shaw, City Hall, engr.

Calif., Los Angeles — Los Angeles Co. making plans curbing, guttering, walks and 4 in. disintegrated granite paving portions A, B, C, D, E, F and G Sts., etc. To exceed $50,000. G. Jones, Hall of Records, engr.

Calif., Los Angeles—Los Angeles Co. making plans paving, etc. Arrow Highway between El Monte and Baldwin Park. $150,000. G. Jones, Hall of Records, engr.

Calif., Los Angeles—Making plans concrete paving, etc. Heliotrope Dr., Willowbrook Ave., etc. to exceed $25,000 and approximately 1½ mi. 28th and Beach Ave. Impvt. Dist.; grading and waterbound decomposed granite paving, Woodman, Osborne, Raymer and Payton Aves. etc., to exceed $25,000; also widening approximately 5 mi. roadway in Venice Dist.

Calif, Oakland—Alameda Co. making plans grading and paving ¾ mi Smith St. in Alvarado, 2½ mi. Crow Canyon Rd., 2 mi. East 14th St., 2¾ mi. Decoto Rd., 2 mi. Mission San Jose Rd., 2½ mi. Skyline Blvd. extension to Berkeley; also trimming and surfacing 1½ mi. Bay Farm Island Rd. G. A. Posey, Courthouse, Oakland, engr.

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Streets and Roads (Continued)

Calif., Oakland—Made plans grading, curbing, guttering 2 in. Warrenite-bitulithic on 6 in. concrete paving 64,837 sq.ft. portions Hopkins and Montana Sts., etc. W. W. Harmon, city engr.

Calif., Oakland — Made plans concrete curbing, guttering and asphaltic concrete paving 121,525 sq.ft. Plymouth Ave. between 80th and 90th Aves. W. W. Harmon, city engr.

Calif., San Bernardino — Made plans improving K St., etc., 120,000 sq.ft. concrete paving, 3,000 ft. 30 in. rein.-con. storm sewer pipe and 300 ft. rein.-con. open conduit, etc. C. E. Johnson, city engr.

Calif., Santa Cruz—Made plans grading and 5 in. vibrolithic concrete paving 119,935 sq.ft. Laurent, Olive and Kenneth Sts. J. K. James, city engr.

Calif., Willows—Made plans paving, etc. 20 blocks portions of Shasta, Plumas Sts., etc. To exceed $25,000. B. Knock, city engr.

Ont., Owen Sound—Grey Co. plans grading and graveling various roads. $45,000. R. C. McKnight, County Bldgs., engr.

Ont., Sarnia — Plans concrete curbing, guttering, and sheet asphalt paving 4,500 sq.yd. South Christina St. $27,045. W. B. Beatty, City Hall, engr.

Ont., Toronto—Plans grading, curbing, guttering, sidewalks and sheet asphalt, asphaltic concrete or concrete paving 1 mi. street opposite Fielding Ave. from Broadview to Donalds Aves., 66 ft. $275,000. R. C. Harris, city engr.

Ont., Toronto—York Twp. soon takes bids grading, curbing, guttering and asphalt or asphaltic concrete on concrete paving McRoberts Ave. from city limits to Summit Ave., $27,296; also asphalt on concrete paving 740 ft. Earlsdale Ave. and 1,042 ft. Oakwood Ave., $25,771, all 24 ft. F. B. Goedike, 40 Jarvis St., engr.

Que., Outremont—Plans paving Bernard St. from Hutchinson to Outremont Aves., $51,000; grading various streets, $37,700; and opening new streets, $29,000. E.

Bids Desired

Massachusetts — July 12, by Dept. Pub. Wks., Boston, bituminous macadam paving 3,000 ft. highway in Canton, and 5,700 ft. in Stoughton; graveling and bituminous macadam paving 4,400 ft. in Ipswich, and 7,842 ft. in Sterling. W. F. Williams, comr.

Mass., Boston—July 9, by Dept. Pub. Wks., sheet asphalt or bitulithic paving various streets, Ward 9. $25,000. J. H. Sullivan, comr.

Mass., Boston — July 13, by Dept. Pub. Wks., recut granite block paving Devonshire St., $25,000, also Washington St. from Massachusetts Ave. to Williams St., $26,000. J. H. Sullivan, comr.

Mass., Boston—July 14, by Dept. Pub. Wks., sheet asphalt paving various streets, Ward 9. $25,000. J. H. Sullivan, comr.

Mass., Brookline (Boston P. O.)—July 12, by Bd. Selectmen, Town Hall, sheet asphalt, warrenite-bitulithic or other bitulithic paving Chestnut Hill Ave. $25,000 or more. Private plans.

Mass., Hinsdale—July 20, by Dept. Pub. Wks., Boston, bituminous macadam paving 4,801 ft. highway, here. W. F. Williams, comr.

Mass., Wakefield—July 9, by Water Supply Bd., sewerage pumps and appurtenances. $25,000. Weston & Sampson, 14 Beacon St., Boston, engrs.

N. Y., Brooklyn—July 15, by J. A. Guider, pres. Brooklyn Boro. Boro Hall, grading, curbing and sheet asphalt paving Kings Highway, Argyle and Clarendon Rds., Ford, Forbell, Livonia and Lott Aves., East 34th, Maple and North 6th Sts., etc.; grading, curbing and flagging East 34th St., Atkins, Drew, and Hegeman Aves., etc.

N. Y., Long Island City—July 16, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading, curbing and sidewalks, on Gerry and 107th (Roanoke) Aves., 162nd, 88th, 103rd, 105th, 107th, 113th, Stone Sts., etc.; grading, curbing and sheet asphalt paving 105th, 107th, 113th Sts., etc.

N. Y., New York—July 14, by J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and repaving Broome St. and 4th Ave.; and sheet asphalt on concrete paving 32nd St.

N. Y., Mt. Kisco—July 17, at office F. R. Matthews, village clk., rein.-con. paving Manchester errace, Grove St., Brookside, Hyatt, Moore and Marion Aves.; adv. E. N.-R. July 8.

N. Y., Rye—July 21, by Westchester Co. Park Comn., 72 West Pondfield Rd., Bronxville, grading, etc., Cross County Approach Rd. from Boston Post Rd. to Forest Ave., here, Contr. 113. J. Downer, ch. engr.; adv. E. N.-R. July 8.

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New Jersey—July 26, by State Hy. Dept., Trenton, constructing embankments, steel and concrete bridges, etc., no Route 1 extension, Sect. 11, in Newark. A. L. Grover, secy.; adv. E. N.-R. July 8.

N. J., Asbury Park — July 20, by City Comn., grading and bituminous, concrete or sheet asphalt retopping Lake Ave. from Main St. to city line, Sincerbeaux & Moore, Mechanic Bldg., Trenton, engrs.

N. J., Carteret—July 21, by Mayor and Boro Council, for Noes Creek Sewer. O. F. Mitchell, Raritan Bldg., Perth Amboy, boro engr.; adv. E. N.-R. July 8.

N. J., Dover — July 20, by Bd. Freeholders Ocean Co., Courthouse, Toms River, cnocrete on earth paving Washington St., Sect. 3, here. J. M. Abbott, Toms River, co. engr.; adv. E. N.-R. July 8.

N. J., Manasquan — July 20, by Boro Council, Masonic Bldg., Main St., rein.-con. paving 0.236 mi. Main and North Main Sts., here. G. D. Cooper, 60 Broad St., Red Bank, civil engr.; adv. E. N.-R. July 8.

N. J., North Plainfield (mail Plainfield) —July 12, by Mayor and Boro Council, sheet asphalt paving, etc., approximately 5,951 ft. Somerset St. from Greenbrook Bridge at Union Co. line northwesterly to line of Watchung Boro, Johnstons Dr. C. H. Fishbrook, Babcock, boro engr.

N. J., Toms River—July 20, by Bd. Freeholders Ocean Co., concrete paving approximately 2 mi. Washington St. from Island Heights to Bay Bridge. J. M. Abbott, Toms River, engr.

Pa., Lilly—July 9, by Boro Council, P. F. Campbell, boro engr., one course rein.-con. paving, etc., 1,884 ft. Portage St., 18 ft. $30,000.

Pa., Pittsburgh—July 14, by Comrs. Allegheny Co., vitr. brick on concrete paving approximately 1,184 ft. Evergreen Plank Rd., and 3,900 ft. West Liberty Ave.; also constructing masonry and approach filling for New Kensington Bridge 10 over Allegheny River. C. C. McGovern, co. controller.

Pa., Swissvale—July 13, by Boro Secretary, vitr. brick on concrete paving, etc., 3,448 sq.yd. Graff St., Trevanion and Richmond Aves. $50,000. A. Hutchinson, Boro Hall, engr.

Maryland—July 13, by State Rds. Comn., Baltimore, concrete paving and bridging 0.5 mi. Contr. C1-63, Carroll and Frederick Counties. J. N. Mackall, chn.; adv. E. N.-R. July 8.

D. C., Wash.—July 9, by Dist. Comrs., District Bldg., grading approximately 250 cu.yd. various streets.

Virginia—July 15, by State Hy. Comn., Richmond, concrete paving 1.16 mi. S-230 DC Accomac Co., 4.064 mi. F-440D Fairfax Co., and 1.45 mi. S-447AB Middlesex Co.; rock asphalt paving 1.3 mi. S-443, Cumberland Co.; 2 steel truss and concrete beam span bridge, S-132G, Montgomery Co., and 4 concrete span bridge, S-367, Isle of Wight Co. $346,000.

W. Va., Wayne—July 15, by Comrs., Wayne Co., grading, etc. Mill Creek, Tabors Creek, Big Hurricane, Tlijahs Creek and Gragston Rds. H. O. Wiles, co. road engr.

N. C., Belmont—July 14, by Town Bd., curbing, guttering and paving 44,000 sq.yd. various streets. $170,000. Carolina Eng. Co., Charlotte, engrs.

Fla., Tampa—July 13, by City Comn., W. E. Dunn, clk., granite curbing and 2½ in. asphalt block on 6 in. shell paving portion Navin Ave., North A and Mitchell Sts. $26,000; also concrete curbing and 2 in. amiesite paving Crawford St. from Nebraska Ave. to 15th St. $38,932. R. M. Martin, City Hall, engr.

Fla., West Palm Beach—July 20, by City Comn., improving various streets in Paving Dists. 6-B and C. T. B. Henry, city engr.; adv. E. N.-R. July 8.

Ala., Birmingham — Aug. 1, by City Comn., asphalt on concrete paving, etc. 12 blocks 27th Pl. S., 16th St. St., 26th St. N., 25th St. N., 31st Ave. N., 8th Ave. S., 6th Ave. N., 13th, Court and 34th Sts., Boise and Eufaula Aves. $211,000.

Miss., Durant—July 19, by L. J. Wilkes, city clk., City Hall, curbing, guttering and brick, concrete or asphalt paving, etc., 4,500 sq.yd. Mulberry St. from Jackson Rd. to old Lexington Rd. M. L. Culley, 1st Natl. Bank Bldg., Jackson, engr. Noted June 10.

Miss., Port Gibson — July 20, by Bd. Supervs. Claiborne Co., constructing approximately ½ mi. highway, also new bridge replacing old cable bridge, Federal Aid Project 176-B. $50,000. H. C. Deitzer, Jackson, engr.

Louisiana—July 20, by State Hy. Comrs., Baton Rouge, constructing 12.036 mi. Minden-Lewisville Highway, State Project 467-C, Webster Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

SUBWAY—NEW YORK, N. Y.

Bids were opened by Board of Transportation, 49 Lafayette St., for subway connecting Manhattan-Bronx Subway to Manhattan Elevated line, Agreement "EE," 3rd Ave. and 149th St., (A) M. D. Walsh, 1124 Findlay Ave. (awarded contract); (B) Lyons Slattery Co., Inc., 224 East 41st St.; (C) Slattery Engineering & Construction Co., Inc., 10 East 43rd St.; (D) Corson Construction Corp., 1440 Broadway; (E) Fox-Reynolds Co., Inc., 81 East 125th St.; D. C. Serber, Inc., Grand Central Terminal, $266,992; Poirier & McLane Corp., 1480 Broadway, $279,562. The unit bids of the lowest four and highest bidders are as follows:

	A	B	C	D	E
3,000 cu.yd. earth excavation above and below M.H.W.	$12.00	$12.50	$17.00	$13.65	$20.00
2,430 cu.yd. rock excavation above and below M.H.W.	24.00	12.50	17.00	13.65	50.00
1,065 cu.yd concrete masonry	24.00	30.00	25.00	24.00	25.00
270 cu.yd. protective concrete	24.00	30.00	25.00	24.00	20.00
200 cu.yd removal of old masonry	24.00	50.00	17.00	30.00	80.00
3 bbl. grout of portland cement	6.00	20.00	10.00	10.00	6.00
3 sq.yd. resurfacing old concrete masonry	2.00	5.00	6.00	5.00	10.00
420 sq.yd. waterproofing—1 ply	1.50	.90	1.50	1.00	1.50
1,590 sq.yd. waterproofing—3 ply	3.00	3.60	3.00	3.00	3.00
165 sq.yd. waterproofing—5 ply	5.00	5.30	4.00	5.00	5.00
200 sq.yd. waterproofing—6 ply	6.00	7.00	5.00	6.00	6.00
50 sq.yd. waterproofing dry ply	1.00	1.00	1.00	1.00	1.00
30 cu.yd brick in asphalt mastic	50.00	60.00	55.00	50.00	50.00
300 lin.ft. 3 in. c.i. pipe class A	2.00	2.00	1.00	2.00	1.00
83 tons riveted steel, beams and shapes	120.00	150.00	150.00	150.00	200.00
3 tons removal and disposal of old steel	75.00	50.00	50.00	100.00	200.00
30 drilling holes in steel	.50	2.00	2.00	3.00	1.00
38 ton steel rods and bars	120.00	200.00	130.00	120.00	120.00
2 ton miscellaneous iron castings	200.00	300.00	250.00	350.00	160.00
120 lb. special wire forms	.25	.25	25.00	1.00	.30
360 sq.yd. sidewalk restoration	2.00	5.00	3.00	3.00	3.60
100 sq.yd. repavement of roadway—asphalt	5.00	6.00	5.00	5.00	5.50
370 sq.yd. roadway restored—granite block	6.00	9.00	5.00	6.00	6.00
100 lin.ft. removing and resetting granite curb	2.00	5.00	6.00	3.00	1.00
50 lin.ft. new 6 in. granite curb	6.00	5.00	6.00	5.00	3.50
130 sq.yd. new sidewalk	4.00	5.00	3.00	5.00	3.60
50 lin.ft. 8 in extra heavy c.i. pipe	6.00	10.00	5.00	5.00	4.00
300 lin.ft. 12 in. vitrified sewer	8.00	12.00	12.50	5.00	3.00
2 ton c.i. sewer pipe—straight	150.00	500.00	400.00	125.00	120.00
1 ton c.i. sewer pipe—special	250.00	500.00	500.00	225.00	250.00
Maintaining and supporting Manhattan El. R.R. (lump sum)	9,500.00	8,000.00	12,500.00	32,000.00	30,000.00
Maintaining and supporting present subway (lump sum)	9,500.00	6,000.00	12,500.00	12,800.00	30,000.00
50 lin.ft. 12 in. water pipe	5.00	8.00	6.00	7.00	5.00
50 lin.ft. 20 in. water pipe	7.00	14.00	8.00	10.00	8.00
50 lin.ft. 4 in. gas pipe	2.00	2.50	2.50	2.00	3.00
100 lin.ft. 8 in gas pipe	3.00	6.60	3.25	5.00	6.00
100 lin.ft. 10 in. gas pipe	4.50	10.80	3.50	6.00	7.00
250 lin.ft. 12 in. gas bypass pipe	12.00	15.00	5.00	20.00	5.00
200 lin.ft. 4 in. gas bypass pipe	6.00	6.00	3.50	10.00	3.50
2 ton c. i. pipe—straight (for mains)	130.00	250.00	250.00	100.00	120.00
1 ton c. i. pipe—special (for mains)	300.00	250.00	350.00	200.00	200.00
1,000 lin.ft. 3-in. steel ducts	1.00	3.20	1.00	1.25	.90

	A	B	C	D	E
1,500 lin.ft. 3½-in. steel ducts	1.00	3.90	1.25	1.50	1.10
300 lin.ft. 4-in. fibre ducts	1.00	.90	1.00	1.00	.60
5,000 sq.ft. white glazed tile (straight)	1.50	1.20	1.30	1.30	1.30
70 sq.ft. white glazed tile 2½-in. radius	3.00	2.60	3.00	2.50	5.00
90 sq.ft. white glazed tile 20 in. radius	3.00	2.60	3.00	3.00	5.00
300 sq.ft. weatherproof tile—straight	2.40	2.10	2.50	2.25	1.50
20 sq.ft. weatherproof tile 2½ in. radius	3.50	3.50	3.50	3.00	3.00
30 sq.ft. mosaic bands	3.25	3.25	5.00	3.50	7.00
20 sq.ft. mosaic signs	5.25	5.50	6.00	6.00	12.00
50 sq.yd. plastering	2.00	3.00	2.50	2.50	3.00
500 sq.ft. cement base	.50	.40	.80	.60	.60
3,200 sq.ft. 3 in. floor finish—special	.50	.30	.35	.35	.40
2,800 sq.ft. 3-in. floor finish	.50	.30	.30	.32	.30
50 cu.ft. concrete copings	1.00	3.00	2.00	2.50	1.50
80 cu.ft. street landings	1.00	3.00	1.50	1.25	1.50
1,300 lin.ft. supported stairs (tread)	2.00	2.00	1.50	1.50	1.00
650 sq.ft. supported stairway landings	.50	.50	.30	1.50	.80
800 sq.ft. non-slip treads	2.50	1.70	2.00	2.00	2.00
220 lin.ft. cement strings	.50	.40	.50	.60	.50
120 sq.ft. cement finish on street landings	.50	.15	.30	.25	.50
270 cu.ft. brick masonry	1.50	1.50	1.50	1.40	1.60
200 cu.ft. 3-ft. hollow tile	1.50	1.00	1.50	1.40	1.50
1,700 cu.ft. 4-in. hollow tile	1.50	1.00	1.50	1.30	1.50
35 lin.ft. 4½ x 13 in. flue	2.00	1.00	1.00	2.00	2.00
50 weepholes	.50	1.00	.75	1.00	.50
50 anchors	1.25	1.00	1.50	2.00	.50
2 doors	100.00	60.00	100.00	100.00	100.00
60 lin.ft. pipe railing	4.00	5.50	4.00	4.00	4.00
15 lin.ft. pipe control railing	8.00	8.00	5.00	12.00	10.00
20 sq.ft. enameled plates	2.00	2.00	3.00	3.00	2.00
20 sq.ft. suspended signs	4.00	4.00	5.00	5.00	3.00
8 lin.ft. steel ladder with rungs in place	4.00	2.00	6.00	5.00	4.00
550 lin.ft. oak hand rail	1.00	2.00	2.00	2.00	2.00
Rough plumbing (lump sum)	2,000.00	2,500.00	30,000.00	2,000.00	6,500.00
15 c. i. frame and cover for inlet	10.00	10.00	5.00	25.00	20.00
5 cleanout boxes, ferrules and plugs	10.00	10.00	7.00	25.00	40.00
1,100 lin.ft. ¾-in. electric conduits	.25	.45	.50	.50	.60
300 lin.ft. 1-in. electric conduits	.50	.50	.60	.60	.80
30 lin.ft. 1¼-in. electric conduits	.60	.90	.90	1.00	.80
30 lin.ft. 2-in. electric conduits	.75	1.30	1.25	1.50	1.50
128 4 x 4 x 2 in. c.i. outlet boxes	3.00	2.50	3.00	3.00	4.00
3 8 x 8 x 6 in. c. i. pull boxes	8.00	10.00	15.00	10.00	10.00
2 heater boxes	20.00	35.00	30.00	25.00	40.00
1 steel panel board box—27 x 55 x 6 in.	50.00	75.00	75.00	100.00	60.00
600 sq.ft. painting—3 coats on steel	.15	.15	.08	.08	.08
6,000 sq.ft. painting—2 coats on concrete	.10	.05	.08	.07	.06
2,000 sq.ft. painting—1 coat additional	.05	.04	.03	.03	.03
2 resetting doors	50.00	250.00	25.00	50.00	70.00
15 lin.ft. resetting control railings	10.00	15.00	3.00	10.00	2.00
15 gate and frame (lump sum)	25.00	175.00	50.00	1,000.00	90.00
Resetting railing and sign at comfort station (lump sum)	100.00	175.00	150.00	1,000.00	20.00
Reset fixtures (lump sum)	100.00	250.00	300.00	1,000.00	300.00
Changes in electric work and wiring in comfort station (lump sum)	100.00	300.00	100.00	5,000.00	100.00
Resetting marble partitions (lump sum)	500.00	700.00	600.00	1,000.00	400.00
Extended totals	$218,920	$219,633	$228,031	$238,428	$364,651

Streets and Roads (Continued)

Louisiana—July 27, by State Hy. Comn., Baton Rouge, bituminous, 2½ in. sheet asphalt, 2 in. Warrenite bitulithic, 2 in. bituminous concrete or cold mixed limestone rock asphalt on concrete paving 0.988 mi. 3rd St., in Leesville, State Project 515, Vernon Parish. W. B. Roberts, Remond Bldg., highway engr.

La., Benton—July 13, by Bossier Parish Police Jury, grading and concrete paving 6 mi. Rocky Mount-Cotton Valley, Project 2-A, Sect. 3; 0.5 mi. embankment on Benton-Bellvue Highway, Project 3-C, Sect. 2; also 380 ft. pile trestle Bodeau Bayou Bridge, on Rocky Mount-Cotton Highway, Project 2-A, Sect 1, and bridges on same highway Sect 2, also Bodeau Bayou Bridges on Benton Bellvue Highway, Project 3-C, Sect. 1. J. R. Wendt, Benton, parish engr. Noted Apr. 22.

La., Mansfield—July 20, by E. C. Huson, town clk., grading, curbing, guttering and bituminous macadam paving 1,480 sq.yd. various streets. J. S. Ament, Mansfield, engr.

Miss., Houston—July 15, by Bd. Supervs. Chickasaw Co., improving 9.094 mi. Federal Aid Project 186. Former bids rejected H. C. Dietzer, Jackson, engr. Noted June 3.

Kentucky—July 26, by State Hy. Dept., Frankfort, high and medium type surfacing 10.375 mi. Cannonsburg-Louisa Rd., Federal Aid Project 35-B and 136, Boyd Co. E. N. Todd, highway engr.

Kentucky—July 26, by State Hy. Dept., Frankfort, high type surfacing 3.4 mi. State Project 26-A, Frankfort-Versailles Rd., 20 ft., Franklin Co. E. N. Todd, Frankfort, engr.

Ohio—July 16, by G. F. Schlesinger, dir. Dept. Hys. & Pub. Wks., Columbus, grading and sheet asphalt paving 0.218 mi. Sect. "Harding Memorial" Marion-Delaware Rd., 30 ft. $27,371.

O., Cincinnati—July 13, by Director Pub. Serv., granite block repaving 8,000 sq.yd. McMicken Ave. from Vine to Main Sts. $51,082. C. O. Sherrill, City Hall, engr.

O., Columbus—July 13, by City, grading, curbing, and paving 11,573 ft. Northridge Rd., Kimball, Mitchell and Olive Sts., Brinker, Ellsworth, Markinson, Nashoba, Powell and Stevens Aves., etc., brick, $231,342, and asphalt $201,706. R. H. Simpson, city engr. Noted May 13.

O., Dayton—July 16, by Dept. Pub. Serv., curbing, guttering and brick paving Stout St.; rein.-con., vibrolithic concrete, asphalt brick or amiesite paving Beechwood Ave. from Main St. to Ludlow St., and Beechwood Ave. from Main St. to Newport Ave.; rein.-con. paving alley west of Highland Ave., and alley south of Five Oaks Ave.; sidewalks on Cumberland Ave.; also sanitary sewer in Beechwood Ave. from Main St. to Riverside Dr., and Newport Ave. from Beechwood Ave. to corporation line. J. F. Hale, city engr.

O., Gates Mills—July 13, by City, paving Epping and Highland Rds. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ind., Indianapolis — July 14, by Comrs. Marion Co., constructing 3.21 mi. Tibbs Ave. $77,017. H. Dunn, aud.

Mich., Kalamazoo — July 12, by Kalamazoo Co., 4 in. bituminous concrete paving 1.5 mi. road, 18 ft.

Illinois—July 14, by Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete, vitr. brick or bituminous concrete with or without binder course paving 1.66 mi. Route 4, Sect. 11, and 0.86 mi. Route 4, Sect. 11-X, both Livingston Co., 4.58 mi. Route 13, Sect. 15, Jackson and Perry Counties, 7.2 mi. Route 13, Sect. 16, Perry County, and 8.98 mi. Route 24, Sect. 6, Sangamon Co.; concrete, vitr. brock or bituminous macadam with or without binder course and gravel surfacing 6.3 mi. Route 8, Sect. 42, 4.25 mi. Route 8, Sect. 44, and 3.43 mi. Route 8, Sect. 45, all Knox Co., 3.85 mi. Route 31, Sect. 15, Fulton and Schuyler Counties, all above 18 ft. wide; grading 87,422 cu.yd. Route 13, Sect. 15-A, Perry Co., and 80,309 cu.yd. Route 24, Sect. 8-A, Sangamon Co. F. T. Sheets, ch. highway engr.

Wis., Beloit—July 12, by G. E. Heebink, engr., City Hall, one course concrete, vibrolithic concrete and sheet asphalt on 5 in. concrete or vibrolithic concrete paving, etc., 15,000 sq.yd. various streets.

Wis., Milwaukee — July 12, by W. J. Cary, clk. Milwaukee Co., widening and asphaltic or warrenite bitulithic concrete paving, etc., 35,000 sq.yd. Loomis Rd.

Wis., Waukesha — July 14, by A. R. Schuh, engr., City Hall, two course amiesite or vibrolithic concrete paving 32,000 sq.yd. Buchner Court, Marshall St., and Hamilton, Franklin, Central and College Aves., etc., for City.

Wis., Wauwatosa—July 16, by Bd. Pub. Wks., A. V. Brigham, secy., 30,000 gal. semi-asphaltic and 3,000 gal. tarvia B road oil on various streets.

Ia., Adel—July 15, at office Auditor Dallas Co., graveling 4.98 mi. Dist. 24; 5.72 mi. Dist. 57, 3.54 mi. Dist. 58, and 5.71 mi. Dist. 60. E. L. Kaser, Adel, co. engr.

Ia., Cedar Rapids—July 12, by City, L. J. Storey, clk., paving 20,000 sq.yd. various streets. $70 000. R. W. Gearhart, city engr.

Ia., Cedar Rapids—July 15, at office Auditor Linn Co., graveling 9,000 cu.yd. County Road Project 12; 5,500 cu.yd. County Road Project 7; 1,600 cu.yd. Secondary Road Dist. 5, and 2,000 cu.yd. Secondary Road Dist. 6. A. F. Miller, Cedar Rapids, co. engr.

Ia., Newton—July 14, at office auditor Jasper Co., approximately 10 mi. paving Federal Aid Project 64, east and west of here.

Kan., Girard—July 15 (extended date), by Clerk Crawford Co., improving 3.513 mi. Sect. A, Federal Aid Project 347. J. H. Ludlow, Girard, co. engr. Noted June 17.

Kan., Topeka — July 19, at office O. B. Eddy, clk. Shawnee Co., improving 3.727 mi. U. S. 40 Rd., Sect. A, Project 355; also 1.979 mi. California Ave. Rd.

Neb., Omaha—July 15, by G. Berger, clk. Douglas Co., grading, paving, etc. 15,580 sq.yd. 72nd St. between Dodge and Maple Sts.

Tex., Anson—July 13, State Hy. Comn., Austin, bridging and rein.-con. paving 15.265 mi. Highway 18, Federal Aid Project 477-C, Unit 2, 18 ft. $57,200. J. W. Puckett, Stamford, co. engr.

Tex., Big Lake—Taking bids paving 40 blocks various streets. $120,000. Devlin Eng. Co., c/o Central Bldg., Amarillo, engrs. Noted July 1.

Tex., Center—July 13, by State Hy. Dept., Austin, grading, bridging and rein.-con. paving 5.02 mi. Highway 35, Federal Aid Project 348-A, 26 ft. $44,500. T. H. Dillon, Center, co. engr.

Tex., Corsicana—July 16, by City, paving 60 blocks various streets. W. W. McClendon, city engr. Noted July 1.

Tex., El Paso—El Paso Co. taking bids bituminous macadam paving 1.987 mi. Highway 1, Federal Aid Project 439-D, Unit 2, 18 ft. $73,800. F. E. Wilson, El Paso, co. engr.

Tex., Ft. Worth—July 13, by D. L. Lewis, city engr., paving various streets. $100,000.

Mo., St. Louis — July 27, by Bd. Pub. Serv., 208 City Hall, vibrolithic concrete paving 2,180 sq.yd. Tiffany St., $14,000; warrenite bitulithic paving, etc. 16,375 sq.yd. Hartford St., $56,520; asphalt or bitulithic paving 1,105 sq.yd. North Market St., $5,400; amiesite, warrenite or asphalt paving, etc. 3,100 sq.yd. 9th St., $16,120; concrete paving 8,985 sq.yd. Delor St. $42,400, and approximately 15,250 sq.yd. alleys in City Blocks 2586, 2776 N, 2813, 2966, 5333, 5340, 5368, 5563, 5767, 5842 and 5908 $45,480; also 1,441 ft. 5 ft. rein.-con. outfall sewer in Quincy St. W. W. Horner, 300 City Hall, engr.

Idaho—July 17, by Comrs. Pub. Wks., at office P. E. Oxley, dist. engr., 202 Pioneer Bldg., Lewiston, improving Federal Aid Project 103-A, Nez Perce Co., 1,380 cu.yd. solid, 1,474 cu.yd. loose rock, and 12,625 cu.yd. earth excav., 39,051 sq.yd. overhaul, 3,360 cu.yd. crushed rock surfacing, etc.

Idaho—July 15, by Comrs. Pub. Wks., at office P. B. Wilson, dist. engr., Sonnenkalb Bldg., Pocatello, screened gravel surfacing, etc., 3,697 cu.yd. Federal Aid Project 109-A, Power Co.

Calif., Los Angeles—July 19, by Supervs. Los Angeles Co., grading and concrete paving 148,010 sq.ft. Impvt. 251, $33,650; 359,915 sq.ft. and 8 in. concrete paving 148,679 sq.ft. Impvt. 472 (portion Atlantic Ave.), $150,000 or more; and 156,427 sq.ft. Impvt. 387 (portion Hawthorne Ave.), to exceed $40,000. G. Jones, Hall of Records, engr.

Calif., Sonora — Supervs. Tuolumne Co., taking bids grading and 3 in. asphalt, Willite or Warrenite paving 285,825 sq.ft. Sonora-Tuolumne and Sonora-Columbia Rd. To exceed $50,000. R. Thom, Sonora, co. surv. Noted July 30.

Contracts Awarded

New Hampshire—State Hy. Dept., Concord, concrete paving 10,400 sq.yd. highway in Hillsboro and Manchester, to P. J. Holland, Lawrence, Mass., $41,474, engrs. est. $47,000; asphalt paving 6,680 sq.yd. and 1 span 21 ft. bridge in Merrimack and Franklin, to Robie Constr. Co., 1037 Elm St., Manchester, $32,086, engrs. est. $41,000. Noted June 10.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam paving 17,493 ft.

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Streets and Roads (Continued)

highway in Holliston, to Cendella & Co., 68 School St., Milford $122,299, 3,130 ft. in Seekonk, to P. J. Quinn, Ashton, R. I. $22,-481, 6,500 ft. in Boylston, and 5,700 ft. in Southboro, to R. H. Newall Co., Uxbridge, $38,316 and $28,653 respectively, and 2,100 ft. in Enfield, to Daniel O'Connell Sons, 490 Hampden St., Holyoke $15,229; rein.-con. paving 20,440 ft. in Webster, to C. A. Haggerty, Webster $26,296, and Klebert Ave., etc., to T. Toomey, 60 Lake St., Webster $5,632; gravel surfacing, etc. 3,410 ft. in Gill, to Kelleher Corp., Turners Falls, $16,818. Grand total $275,724. Noted June 24 and July 1.

New York—A. W. Brandt, comr. Highways, Albany, **(e. e. means engineers estimate)**, constructing and reconstructing 2.52 mi. Repair Contr. 1529, Highway 520, Pleasantville-Pocantico Hills Rd., Westchester Co., to A. E. Ottaviano, Croton-on-Hudson, $129,503 e. e. $168,238; 4.85 mi. Repair Contr. 1527, Highways 117 and 31, Ulster-Delaware Rd., Parts 3 and 2, Ulster Co., to Sweeney & Boland, E. & B. Bldg., Rochester, $239,759 e. e. $289,678; 2.98 mi. Highway 1737, Saratoga-Gansevoort Rd., Part 2, Saratoga Co., and 2.54 mi. Repair Contr. 1528, Highway 5275, Pulaski-Sandy Creek Rd., Oswego Co., to J. Thompson, Carthage, $110,374 and $85,673 respectively, e. e. $160,345 and $104,927 respectively; 1.93 mi. Repair Contr. 1530, Highway 901, Portchester-Crystal Springs Rd., Westchester Co., to F. Lux, Johnstown, $141,195 e. e. $179,347; 1.4 mi. Highway 5710, Curry Rd., Schenectady Co., to Malloy Constr. Co., 434 State St., Schenectady, $54,243 e. e. $74,964; 3.79 mi. Repair Contr. 1531, Highway 153, Newburgh-Campbell Hall Rd., Orange Co., to A. D. Bridges Sons, Inc., Hazardville, Conn., $209,980 e. e. $267,221; 3.91 mi. Highway 8257, Hornell-Wayland Rd., Part 5, Steuben Co., to Cold Spring Constr. Co., Ellicott Bldg., Buffalo, $160,504 e. e. $225,-805. Grand total $1,131,231. Noted June 17.

N. Y., Albany—Bd. Contr. & Supply, City Hall, to E. B. Stevenson, 443 Bway., improving Hunter Ave. $9,583, Euclid Ave. $33,904, Lenox Ave. $37,502, and Corlear St. $14,367; to S. B. Easton, 47 Fairlawn Ave., North 2nd St. $8,080, Greenway North $25,864, and Edgecomb St. $26,653; to Frank Sheehan, Inc., 446 Yates St., Rosemont St. $51,904, Forest Ave. $19,019, and Fullerton St. $17,868; to H. Dumary, 119 State St., Washington Ave. $114,125, and to M. P. Dollard, Dow Bldg., 36 State St., Benjamin St., $9,762. Grand total $368,631. Noted July 1.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, grading and sidewalks on 55th St., to Grimm Contg. Co., 170 McKinley Ave. $1,013; grading and asphalt repaving Bath Ave., to B. Turecamo Contg. Co., 8706 16th Ave. $37,236, and Rockaway Ave., to Borough Asphalt Co., 1301 Metropolitan Ave. $6,637. Grand total $44,886. Noted July 1.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., sheet asphalt on concrete paving River Ave. from East 165th St. to Jerome Ave., to Asphalt Constr. Co., Madison Ave., $51,848. Noted July 8.

N. Y., New York — H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., granite block paving McClellan St. and bituminous concrete paving Trafalgar Pl., to Interboro Asphalt Co., 2306 Creston Ave., $50,825 and $8,102 respectively; asphalt block on concrete repaving Bergen Ave., to Burnside Contg. Co., 270 Burnside Ave., $31,857, and East 141st St., to Regan Towers Co., 127 West 141st St., $39,726. Grand total $130,510. Noted June 24.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, curbing and sheet asphalt paving West 134th St. and Laurel Hill Terrace to Asphalt Constr. Co., 208 Bway., $15,908 and $20,679 respectively; grading and granite block paving West and Marginal Sts., to W. J. Fitzgerald, Inc., 547 West 45th St., $600,831; laying sidewalks when and where directed during 1926, to J. L. Brennan, 839 Grand Ave., $5,416. Grand total $642,834. Noted June 24.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, curbing, guttering and bituminous macadam paving Ellsworth Pl., to Vanbro Constr. Corp., 24 Elizabeth Pl., West New Brighton, $10,311. Noted June 10.

New Jersey—State Hy. Comn., Trenton, widening 77,050 sq.yd. Whitehorse Pike, Route 3, Sect. 11-A, Berlin-Hammond Highway, Camden Co., to M. Staub, Pitman, $303,840. Noted June 24.

N. J., New Brunswick — Middlesex Co., sheet asphalt paving 4,230 ft. South Amboy-Sayreville Rd., in Sayreville, and 10,080 ft. Georges Rd., here, to Utility Constr. Co., 5

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Spring St., $63,616 and $63,421 respectively; concrete paving 0.75 mi. Stelton-New Market Rd., Stelton, and 5,318 ft. Aqueduct - Plainsboro - Cranbury Rd., in Plainsboro, to C. Sebolt, 16 Richmond St., $27,872 and $34,422 respectively. Grand total $189,331. Noted June 10.

N. J., Newark — Essex Co., concrete paving 2.14 mi. Roseland Ave., here, to Jar Constr. Co., 2261 Milburn Ave., Maplewood, $177,003.

N. J., New Egypt—Freeholders Ocean Co. (Toms River) constructing 4 mi. New Egypt-Lakewood Rd., to S. S. Thompson Co., Herbert St., Trenton, $125,400.

Pennsylvania—State Hy. Dept., Harrisburg, **(A. means Application and R. means Route)**, rein.-con. paving, etc., 54,500 sq.yd. R. 174, Sect. 1, Susquehanna Co., to W. D. Fote, Olean, N. Y., $297,406, and 48,423 sq. yd. A. 3783, Beaver Co., to O. B. Bracht, Titusville, $121,067; also grading, etc., 20,-000 cu.yd. A. 3842, Sect. 2, Berks Co., to Smith Fenstermacher, Allentown, $46,978. Grand total $465,451. Noted June 10.

Pa., Monessen—City Council vitr. brick paving, etc., Donora Ave., to F. S. Tilman Co., 833 40th St., Milwaukee, Wis., $75,000.

Maryland—State Rds. Comn., Baltimore, concrete paving 2.28 mi. Contr. P-67, Prince Georges Co., to L. R. Colbert, Fredericksburg, Va., $47,306; and 2.2 mi. Contr. T-24, Talbot Co., to St. Michaels Constr. Co., St. Michaels, $33,164. Noted June 10.

Maryland—State Rds. Comn., Baltimore, graveling 0.76 mi. Contr. P-61, Prince Georges Co., to E. R. Jarboe, Mechanicsville, $6,856; macadam resurfacing 1.9 mi. Contr. CE-57, Cecil Co., to T. P. Murray, Towson, $27,563; and 3.3 mi. Contr. W-40, Washington Co., to Bester, Long Co., Hagerstown, $46,609; concrete paving 0.90 mi. Contr. K-30, Kent Co., to Kauffman Constr. Co., Denton, $16,699, and 2.97 mi. Contr. AA-43, Anne Arundel Co., to L. R. Colbert, Fredericksburg, Va., $76,738. Grand total $174,465. Noted May 27.

Md., Baltimore—Bd. Awards, sheet asphalt paving 7,400 sq.yd. Contr. 345, to P. Flanigan & Son, Hartford Rd. and Baltimore & Ohio R.R. tracks, $26,343; and concrete paving 9,980 sq.yd. Contr. 346, to Ward & O'Connell, 3114 Presburg St., $24,-829. Noted June 10.

Md., Baltimore — Bd. Awards, concrete paving 6,475 sq.yd. streets listed in Contr. 344, to F. D. Carozza, Garrett Bldg., $17,-453. Noted June 3.

Md., Towson—Baltimore Co., concrete resurfacing 1.25 mi. Dogwood Rd. from Ridge Rd. west, and Ridge Rd. from Dogwood Rd., north, Group 10, to F. D. Carozza, Garrett Bldg., Baltimore, $17,625; and 1.56 Windsor Mill and Malden Choice Rds., Group 9, to P. Reddington & Son, 2 East Lexington St., Baltimore, $40,011.

W. Va., Huntington — Grading, curbing and 7 in. concrete paving Apple, Crane and High Sts., to Gerchow & McGinnis, Huntington, $48,342. Noted June 17.

W. Va., Moundsville — City Council, amiesite on 5 in. concrete paving Burch, 2nd, Norton and 5th Sts., to Springer & Springer Constr. Co., Wheeling Bank & Trust Bldg., Wheeling, $58,071. Noted July 1.

N. C., Shelby—Black top paving various streets, to Ely Constr. Co., Lamar Bldg., Augusta, Ga., at $2 per sq.yd.; and concrete paving same streets, to Zeb Weathers Co., Shelby, $1.15 per sq.yd. Engrs. est. $125,-000 Noted Apr. 8.

Alabama—State Hy. Comn., Montgomery, **(e. e. means engineers estimate)**, gravel surfacing 1.04 mi. Mountain Creek-Confederate Soldiers Rd., Chilton Co., to Nixon & Phillips, Lineville, $8,022 e. e. $10,000, and 11.58 mi. Linden-Thomaston Rd., Marengo Co., to J. W. Gwin, Hamilton Sta., Birmingham, $91,209 e. e. $92,000; sand clay surfacing Coffee Springs-Federal Aid Project 91 Rd., Coffee and Geneva Counties, to J. E. Newberry, Dothan, $24,695 e. e. $25,000; grading 5 mi. Butler-Catopa Rd., Choctaw Co., to McKee, Donaldson & Garrie, Montgomery, $85,455 e. e. $90,000, 6.44 mi. Citronell-Washington Co. line Rd., Mobile Co., to Myers Constr. Co., Hattiesburg, Miss., $37,929 e. e. $40,000, 11.58 mi. Linden-Thomaston Rd., Marengo Co., to R. L. Kenan, Selma, $58,641 e. e. $60,000, and 14.9 mi. Mobile-Deer Park Rd., Washington Co., to Z. D. Fountain, Hattiesburg, Miss., $63,737 e. e. $65,000, all above roads 18 ft. wide; grading and bituminous paving 15 mi. Boaz-Attalla Rd., 22 ft., Etowah Co., to S. C. Taylor, Wilsonville, $322,139 e. e. $350,000. Grand total $691,827. Noted June 10.

Ala., Birmingham—City, **(e. e. means engrs. est.)**, asphalt on concrete paving 5 blocks 7th Ave. N., 60 ft., to Dunn Constr. Co., Lincoln Life Bldg., $39,313 e. e. $42,-000, 4 blocks each 6th St. and 5th Pl., to Wood-Rucker Constr. Co., Amer. Trust Bldg., $21,506 and $20,470 respectively, e. e. $22,000 each, 4 blocks 5th St. W., to J. L. Mullarky, 2400 Ave. J, $22,651 e. e. $25,000, 4 blocks 76th St., 1 block 3rd Ave., to Independent Paving Co., Amer. Trust Bldg., $7,522 and $6,737 respectively e. e. $7,000 each, 3 blocks 10th Ave. N., to H. N. Bowdry, Ala. Power Co. Bldg., $13,129 e. e. $14,000; and grading, etc., 1 block Ave. H (Ensley), to P. Ritcher, 1805 Pearson Ave., $1,070 e. e. $1,200. Grand total $132,-397. Noted Apr. 22.

Ala., Huntsville—Rock asphalt resurfacing Pratt Ave., also asphalt on concrete paving, etc. Adams Ave., Green and Madison Sts., to W. J. Runyon Paving Co., Huntsville, $85,599. Engrs. est. $87,000.

Ala., Opelika—City Council, asphalt on concrete paving 19 blocks 1st Ave. and Avenue A, to Sullivan, Haggarty & Long, Bessemer, $50,097. Engrs. est. $52,000.

Mississippi — State Hy. Dept., Jackson, gravel surfacing 7 mi. Federal Aid Project 74-D, Louisville-Ackerman Rd., Winston Co., to Nova Culets Constr. Co., Marion, Ill., $25,000; also 3.75 mi. Federal Aid Project 180-B, Enterprise-Meridian Rd., Clark Co., to Bounds & Allen Bros., Quitman, $35,000.

Miss., Charleston—Grading, curbing, guttering and 6 in. concrete paving 13,000 sq. yd. East and West Main and other streets, to Koehler Bros., 68 West Court St., Memphis, Tenn., at $2.04 per sq.yd.

Miss., De Kalb—Kemper Co., improving 10.7 mi. Federal Aid Project 107-B, 26,000 cu.yd. gravel 1 mi. haul, 103,103 units overhaul, etc., to Pilkington Bros., Artesia, $100,588. Noted May 6.

Miss., Gulfport—Grading, curbing, guttering and seal coating 20,800 sq.yd. and warrenite bitulithic on concrete paving 5,200 sq.yd. West Beach Blvd., to Southern Paving Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., $24,921. Noted Apr. 1.

Miss., Louisville—Supervs. Winston Co., grading, etc., 44,270 cu.yd. Federal Aid Project 74-D, to Novaculite Constr. Co., Marion, Ill., $24,990.

Miss., Oxford — Lafayette Co., grading, gravel surfacing, etc. 10 mi. Holly Springs-Oxford Rd., Federal Aid Project 66-A, to J. A. Perdue, Pine Bluff, Ark. $105,733; grading, etc. 21 mi. Oxford-Pontotac Rd., Federal Aid Project 51-A, and 7 mi. Holly Springs-Grenada Rd., Federal Aid Project 97-A, to Rogers & Dennison, 62 South Front St., Memphis, Tenn. $182,054 and $102,041 respectively. Grand total $389,828. Noted May 6.

Miss., Quitman — Supervs. Clarke Co., grading 33,843 cu.yd. and bridging Federal Aid Project 180-B, to Bounds & Allen, Schubuta, $36,447. Noted June 10.

Miss., Woodville—Bd. Supervs. Wilkinson Co., grading and graveling 7.926 mi. Federal Aid Project 62-A, to Robinson Constr. Co., Woodville, $52,884. Noted June 10.

La., Homer—Grading, curbing, guttering, and rein.-con. paving 6,600 sq.yd. West Main and North 2nd Sts. to north line Sect. 23, Twp. 21, to Phoenix Constr. Co., Fort Smith, Ark., $21,068. Noted May 27.

La., Lake Charles—E. L. Gormah, comr. Streets & Parks, City Hall, rein.-con. paving 14,696 sq.yd. Bank St., and 15,516 sq.yd. paving bottom and sides, of Pithon Coulee, etc., to J. E. Estep & Co., Wilson Bldg., Dallas, Tex., $132,308; also 10,970 lin.ft. concrete sewer pipe, to Shearman Concrete Pipe Co., 2400 East 3rd No. L. R., Little Rock, Ark., $14,143. Noted May 20.

La., Shreveport—Grading, curbing, guttering and asphaltic concrete paving 32,000 sq.yd. Fetzer Ave. from Texas Ave. to western limits, to Janes Contg. Co., Southwest Life Bldg., Dallas, Tex., $100,588.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, grading, paving, etc., Project 29-C, Madison Co., to A. O. Freeman Constr. Co., Dyersburg, $27,662; Project 31-C, Shelby Co., and Project 193, Gibson Co., to Hays Constr. Co., Milan, $92,005 and $215,642 respectively; Project 36-D, Shelby Co., to W. H. Shons Co., 11 South Liberty St., Freeport, Ill., $72,595; Project 56-B, Davidson Co., to Foster & Creighton Co., 4th and 1st Bldg., Nashville, $228,477; Project 67-A, Davidson Co., to S. M. Billiter Mer. Lib. Bldg., Cincinnati, O., $119,-339; Project 77-A, Campbell Co., and Project 332-A, Knox Co., to Shea Bros., Knoxville, $88,343 and $74,145 respectively; Project 175-B and C, Gibson Co., to J. R. Feigel Co., Evansville, Ind., $229,711; Project 190-C, Grundy Co., to J. Oman, Jr., Chamber of Commerce Bldg., Nashville, $27,956; Project 195-B, Carroll Co., to Landrum Bros. & Ewell, Dyer, $94,663; Project 323, Monroe Co., to Brown Contg. Co., Chattanooga, $29,529; Project 330-A, Obion Co., to S. R. Hall, Newbern, $38,529; Project 331-A and B, Weakley Co., to F. G. Hall & Co., Martin, $66,844 and $84,465 respectively; Project 332-B, Knox Co., to F. E. Brady & Son, Knoxville, $23,995; Project 333-A, Warren Co., to Pitts Bros., Mt.

Streets and Roads (Continued)

Pleasant, $38,786; Project 331-A, Marshall Co., to W. L. Hailey & Co., Nashville, $21,-258; Project 335-A, Jackson Co., to Montgomery & Parker, Rockport, Ind., $219,616; and Project 336-A, Robertson Co., to E. L. Traughber, Adairsville, Ky., $68,707. Grand total $1,942,267. Noted May 27.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, **(S. A. P. means State Aid Project)**, grading, etc., 0.596 mi. S. A. P. 334-A, Marshall Co., to W. L. Hailey & Co., 711 Shelby Ave., Nashville, $21,258, 6.03 mi. S. A. P. 330-A, Obion Co., to S. R. Hall, Newbern, $38,529, 5.549 mi. S. A. P. 331-A, Weakley Co., to F. G. Hall & Co., Martin, $66,844, and 5.877 mi. S. A. P. 323, Monroe Co., to Brown Constr. Co., Chattanooga, $29,529; paving, etc., 5.571 mi. F. A. P. 67-A, Davidson Co., to S. M. Billiter, Mercantile Library Bldg., Cincinnati, O., $199,-339, 9.892 mi. S. A. P. 175-B and C, Gibson Co., to J. R. Feigel, 1608 Gum St., Evansville, Ind., $229,711, and 9.815 mi. S. A. P. 193, Gibson Co., to Hays Constr. Co., Jackson, $215,642. Grand total $800,-852. Noted May 27.

Kentucky — State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, rock asphalt surfacing 2.1 mi. Bowling Green-Franklin Rd., S. A. P. 15-A, Warren Co., and bituminous macadam paving 10.1 mi. Scottsville-Glasgow Rd., F. A. P. 112, Allen Co., to McLennan & Campbell, Bowling Green, $38,335 and $178,862 respectively, 8.313 mi. Hopkinsville-Elkton Rd., F. A. P. 123-A, Christian Co., and rock asphalt surfacing 2.25 mi. Franklin-Bowling Green Rd., S. A. P. 15-A, Simpson Co., to Campbell & Co., Bowling Green, $176,042 and $39,338 respectively; bank gravel surfacing 13.18 mi. Marion Morganfield Rd., F. A. P. 119, Crittenden Co., to M. C. Boyd Transfer Co., Hopkinsville, $125,115; creek gravel surfacing 8.159 mi. Edmonton Rd., S. A. P. 1-A, Metcalfe Co.; to Mason Constr. Co., West Point, $53,323; grading, etc., 10.712 mi. Campton-Jackson Rd., F. A. P. 121, Wolfe Co., to V. E. Cirnett Co., Appalachia, Va., $173,508, 5.13 mi. Owensboro-Livermore Rd., S. A. P. 77-A, Daviess Co., to Taylor-Petri Co., Lewisport, $22,215, 1.898 mi. Owensboro-Fordsville Rd., S. A. P. 12-A, Daviess Co., to Holland & Sheridan, Lewisport, $16,-156, and 9.445 mi. Morgantown-Hartford Rd., S. A. P. 11-A, Butler Co., to W. F. Robinson & Sons, Maceo, $46,871. Grand total $869,765. Noted May 27.

Ky., Chesapeake — Grading, curbing, guttering and asphalt paving 9,967 sq.yd. various streets, to T. C. Cloran, Ironton, O., $32,392.

O., Akron—W. F. Peters, dir. Pub. Serv. **(e. e. means engrs. est.)**, grading, curbing and vitr. brick paving 5,900 sq.yd. Peerless Ave., to McCourt Constr. Co., 369 South Main St., $36,754 e. e. $50,500, 645 sq.yd. Hillside Terrace, to Shullo & DeLuca Constr. Co., 140 North Summit St., $3,768 e. e. $4,200, and 1,185 sq.yd. Whitney Ave., to Hollinger & Davidson, 435 Bway., $7,438 e. e. $8,300; also grading, concrete guttering and cindering 950 cu.yd. Laffer Ave., to H. G. Baltes, 883 Bloomfield Ave., $10,674 e. e. $12,700. Grand total $58,634. Noted June 24.

O., Cincinnati — Comrs. Hamilton Co., widening and tar bound macadam repaving 4,800 sq.yd. (6 in. base course), and 18,900 sq.yd. (3 in. top course), Drake Rd., to Pickelheimer & Slone, Drake Ave., Madisonville, $30,958, engrs. est. $36,348; tar macadam surfacing 12 mi. various roads (Woodlawn and Western Divisions), and 15 mi. (Eastern and Cheviot Divisions), to Standard Asphalt Co., Spring Grove Ave., $18,638 and $19,098 respectively, engrs. est. $25,313 and $25,538 respectively. Grand total $68,694. Noted June 10.

O., Cleveland — Cuyahoga Co., concrete paving 13,500 sq.yd. Snow Rd., to Loesch & Green, State Rd., $62,011. Noted July 1.

O., Lakewood (br. Cleveland)—Asphaltic concrete paving Delaware Rd., to Cleveland Trinidad Paving Co., The Arcade, $25,636.

O., Rocky River — Village, paving 4 streets, to Ohio Engr. Co., Lorain; and 4 streets, to Highway Constr. Co., Guarantee Title Bldg., Cleveland. Total $105,000.

O., Youngstown — Brick paving Emma St. from Bond to Perry Sts., to M. De Bartolo, Youngstown, $35,779. Engrs. est. $35,000.

Indiana—State Hy. Comn., Indianapolis **(S. R. means State Road and e. e. means engrs. est.)**, bituminous macadam and concrete surfacing 10.608 mi. S.R. 8, to Indiana Rd., Paving Co., Rochester, $184,411, e. e. $235,907; 8.061 mi. S. R. 10, to E. Berns & Co., 3048 North Illinois St., Indianapolis, $126,825, e. e. $142,442; 10.637 mi. S. R. 11, to Cunningham Constr. Co., 1801 Kentucky Ave., Indianapolis, $193,987, e. e. $241,214. Grand total $505,223. This corrects report in June 17 issue.

Ind., Bloomington — Monroe Co., paving, etc. Smith and Freeman Rds., to J. Campbell, Bloomington, $26,301.

Ind., Crown Point—Comrs. Lake Co., grading and sheet asphalt paving Oliver Starr Rd., to Municipal Contg. & Supply Co., Gary, $160,900. Noted May 27.

Ind., Ft. Wayne — Allen Co., grading and paving 5.76 mi. Illinois County Unit Rd. and 2.3 mi. Summers Rd., to J. C. O'Conner & Sons, Ft. Wayne, $149,800 and $54,788 respectively. Engrs. est. $161,992 and $60,712 respectively. Noted June 10.

Ind., La Porte — La Porte Co., grading and paving, etc. Becker and McKee Rds., to C. Kain, Medaryville, $39,549; Walker Rd., to Ackerman Constr. Co., Kewanna, $28,-292; and Luedtke Rd., to Gross Constr. Co., La Porte, $53,475. Grand total $121,-316. Noted May 27.

Ind., Logansport—Comrs. Cass Co., concrete and brick paving Unit Road 5, to McAfee & Smith, Bluffton, $102,113, engrs. est. $114,843; concrete and Kentucky rock asphalt paving, Unit Road 4, to Hyman & Browning, Logansport, $89,985, engrs. est. $98,603. Noted June 17.

Ind., Plymouth — Comrs. Marshall Co., concrete paving, etc., Chas. Rhoads Rd., to Borntraeger & Co., Elkhart, $47,680, engrs. est. $58,600. Noted June 3.

Ind., South Bend—Sheet asphalt paving Campau St. from Francis St. to Park Pl., to Albert Constr. Co., South Bend, $29,230, engrs. est. $31,000; also Harriet St. from Jefferson to Mishawaka Sts., to Williston Constr. Co., $48,910, engrs. est. $50,000.

Ind., Wabash—Wabash Co., constructing Reahard Rd., to O. J. Simmons, Marion, $27,000. Engrs. est. $35,922. Noted May 13.

Ind., Warsaw—Comrs. Kosciusko Co., paving Ludlow Rd., and Sigler Concrete Rd., to Gast Constr. Co., $22,962 and $54,-667 respectively. Engrs. est. $25,100 and $54,667 respectively. Noted May 20.

Ind., Washington—Grading and concrete paving Oak Grove and Front Sts., to Bogard & Patterson, Washington, $23,000. Engrs. est. $26,000.

Michigan — State Hy. Dept., Lansing, graveling 2.333 mi. T.L. 40-7, Allegan Co., to McCain & Morgan, Allegan $30,649, 6.591 mi. F. A. 72-A3, Cheboygan Co., to F. McNally, Bridgeport $50,647, and 7.471 mi. T.L. 40-8AC, to J. Baker, Kalamazoo $64,-974; concrete paving 0.629 mi. T.L. 40-6A, to Marsman & Tabor, Grand Rapids, $18,553 and 1.003 mi. T.L. 40-8B, to L. I. Goldberg, Grand Rapids, $26,911, all foregoing in Van Buren Co.; asphalt on gravel paving 11.477 mi. T.L. 14-78 Jackson Co., to State Constr. Div., Lansing, $200,703; and sheet asphalt paving county road from Jackson City to Michigan center, to Brooks Constr. Co., Jackson, $40,000. Grand total $432,437.

Michigan — State Hy. Dept., Lansing, concrete paving 4.52 mi. T. L. 27-25, 20 ft., Macomb Co., to M. E. White Co., 1735 Fullerton St., Chicago, Ill., $143,779.

Michigan—State Hy. Dept., Lansing, concrete paving 2.668 mi. F. A. 140, Sect. A, Allegan Co., and 2.207 mi. Sect. C same road, both 20 ft., to W. N. Frederich, Coldwater, $71,652 and $71,352 respectively.

Michigan—State Hy. Dept., Lansing, constructing 1,174 mi. T. L. 16-24 B, Wayne Co., to J. McKay & Son, Detroit, $44,447.

Michigan—State Hy. Dept., Lansing, concrete paving 1.68 mi. T. L. 20-13, 20 ft., Clare Co., to J. A. Campbell, Bay City, $46,512. Noted May 20.

BRIDGE—ARIZONA

Bids were opened by State Highway Commission, Phoenix, (lowest four and highest) for constructing bridge over Gila River below Gillespie Dam on Phoenix-Yuma Rd., (A) Lee Moor Construction Co., Tucson, (awarded contract); (B) Pittsburgh-Des Moines Steel Co., Des Moines, Ia.; (C) Levy Construction Co., Denver, Colo.; (D) R. E. McKee, El Paso, Tex.; (E) The Foundation Co., Tucson. The unit bids are as follows:

	A	B	C	D	E
5,600 cu.yd. str. excavation (unclass.) piers and abutments	$12.00	$12.25	$14.00	$16.25	$16.38
3,148 cu.yd. class A concrete piers and abutments (complete in place)	20.00	21.00	19.90	18.50	36.70
29,300 lb. reinforcing steel in piers (complete in place)	.05	.045	.062	.07	.081
933 cu.yd. class A concrete in floors (complete in place) (except item 15)	20.00	18.00	25.10	23.00	36.15
150,440 lb. reinforcing steel in floors (complete in place)	.05	.045	.0575	.07	.074
4 140 ft. steel spans (complete in place) (except items 14 and 15)	11,500.00	14,300.00	13,590.00	14,410.00	13,500.00
5 200 ft. steel spans (complete in place) (except items 14 and 15)	17,600.00	20,900.00	20,000.00	20,529.30	18,050.00
360 cu.yd. backfill in abutments (complete in place)	1.00	.50	.85	1.30	1.40
Engineering and contingencies, 10 per cent	29,217	32,147	32,924	34,403	39,925
Extended totals	$321,384	$353,617	$362,160	$378,437	$439,172

Michigan—State Hy. Dept., Lansing, concrete paving 0.593 mi. T. L. 50-5-B, 20 ft., Monroe Co., to W. N. Knapp Co., Monroe, $27,123. Noted May 27.

Michigan — State Hy. Dept., Lansing, grading 6.495 mi. F. A. 142, Sect. A, Clinton and Shiawassee Counties, to L. N. Perry, Beaverton, $38,643.

Michigan — State Hy. Dept., Lansing, concrete paving 1.082 mi. T. L. 27-26, 20 ft., St. Clair Co., to J. H. Baker & Sons, Port Huron, 35,836. Noted June 10.

Mich., Detroit—Wayne Co., improving 11 mi. North Ave., to Hengle Constr. Co., Detroit, $232,611.

Mich., Fordson—City **(S. A. D. means Special Assessment Dists.)** grading, curbing, sewers and concrete paving 12,837 sq.yd. S.A.D. 132, and 5,386 sq.yd. S.A.D. 135, to White Constr. Co., 1548 Buhl Bldg., Detroit, $45,000 and $19,316 respectively; also 4,953 sq.yd. S.A.D 137, to Ocascro Constr. Co., Penobscot Bldg., Detroit, $18,000. Grand total $82,316. Noted June 17.

Mich., Muskegon — Concrete paving 10.6 mi. Lake Shore Rd. from North Muskegon to White Lake, 20 ft., to Charlevoix Abstract & Constr. Co., and Lyons Constr. Co., $388,197. Engrs. est. $437,000. Noted June 10.

Ill., East St. Louis — Concrete paving, etc., 5,340 sq.yd. 42nd St., to Moore Bros. Constr. Co., 925 North 8th St., $22,585; and 8,720 sq.yd. 48th St., to Louis Rich Constr. Co., Arcade Bldg., $42,311.

Ill., Marseilles—Paving Bluff St., to Duncan Constr. Co., $104,615. Noted Apr. 29.

Wisconsin—At office 2, Stephenson Bldg., Milwaukee, concrete paving, etc. Menomonee Falls-Granville Wauwatosa Rd. combining Federal Aid Project 434-B, Milwaukee Co. and State Aid Project 2671-B, Waukesha Co., to L. C. Christiansen, Cambridge, $78,-224.

Wis., Fond du Lac — Sheet asphalt (natural) paving, etc., 50,017 sq.yd. various streets, to Ford Paving Co., Cedar Rapids, Ia., $178,238.

Wis., Juneau — E. T. Klug, comr. highways Dodge Co., concrete paving, etc. 34,-073 sq.yd. Hustisford-Watertown Rd., Job 1873, to F. D. Hayes, Janesville $79,919, and 13,790 sq.yd. various streets, Lomira, Job 1917, to Schreiber & Waterworth, Randolph $40,411; graveling, etc. 10,060 cu.yd. Columbus-Hustisford Rd., Job 1892, to Young, Rudolph & Son, Horicon $53,151 and 1,830 cu.yd. Reesville-Clyman Rd., to L. W. Luskoski, Ripon, $5,658. Grand total $179,139.

Wis., Kenosha—State Hy. Comn. at office 2, Stephenson Bldg., Milwaukee, concrete paving, etc. New Munster-County Line Rd., to R. R. Birdsall Constr. Co., 1025 12th St., Racine, $142,731; and rein.-con. bridge over Fox River, to Zendala Constr. Co., 1020 South 25th St., Manitowoc $33,811, both in Kenosha Co.

Wis., Kohler—W. Nesemann, village clk., sheet asphalt paving 12,000 sq.yd., and 2,500 tons extra binder on various streets, to J. Rasmussen & Sons, foot of 7th St., Oshkosh, at $1.25 per sq.yd., and $6.50 per ton respectively.

Wis., Marinette—S. O. Shea, city clk., two course rein.-con. paving, etc., 20,000 sq. yd. Park Ridge and Carney Aves., Miller and Hosmer Sts., to Carlin & Carlson, 437 Terrace Ave., $50,143. Noted June 10.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., vibrolithic concrete paving Chestnut St. and Manitoba Ave., to Gumz & Switalski, 831 13th Ave., $28,975

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Streets and Roads (Continued)

and $2,213 respectively, Linebarger Terrace, to Kroening Constr. Co., 39th Ave. and Mitchell St. $5,089, Senator Ave. and sidewalks on Hawley Rd., to A. E. Retzlaff, 868 Island Ave. $2,846 and $874 respectively; vibrolithic concrete paving, etc., 19th St., and concrete paving, etc., 1 alley, to Froeming Bros., 1326 Humboldt Ave., $1,287 and $4,200 respectively; sidewalks on Sheridan Blvd., to C. F. Wussow, 1067 39th St., $9,747; and concrete paving 1 alley, to J. C. Bluhm & Son, 1298 Achilles Pl. $2,359, 5 alleys, to Bodemann Constr. Co., 691 48th St. $16,022, and 1 alley, to Reid & Mahlberg, 818 Lake Blvd., $1,801. Grand total $75,413.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., asphalt resurfacing, etc., 4th and Lake Sts., to White Constr. Co., 68 Wisconsin St., $3,681 and $2,418 respectively; also Becher St. and Lisbon Ave., to Badger Constr. Co., 97 Wisconsin St., $12,318 and $19,580 respectively. Grand total $37,997. Noted July 1.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., asphalt surfacing, etc. East Water and 27th Sts., to Badger Constr. Co., 97 Wisconsin St., $40,008 and $15,225 respectively; North Water St. and 2nd Ave., to White Constr. Co., 68 Wisconsin St., $13,344 and $31,734 respectively. Grand total $100,311. Noted June 3.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., sheet asphalt paving, etc. Edison St. between North Water St. and Juneau Ave., to Badger Constr. Co., 97 Wisconsin St., $31,041; and North Water St., to White Constr. Co., 68 Wisconsin St., $11,964. Noted June 17.

Wis., New London—C. J. Thompson, city clk., grading and rein.-con. paving, etc. 9,371 sq.yd. Mill St., to C. Johnson & Son, Hay Blk., Oshkosh, $28,350. Noted June 3.

Wis., Wauwatosa—Bd. Pub. Wks., A. V. Brigham, secy., Kentucky rock asphalt on macadam repaving 12,000 sq.yd. and 4,500 sq.yd. Kentucky rock asphalt on macadam paving, etc. Washington St., to Jacobus & Winding Concrete Constr. Co., 1 State St., Wauwatosa, $26,355.

Ia., Cedar Rapids—Linn Co., grading, concrete paving, etc. 71,302 sq.yd. Primary Road 40, south of here, Federal Aid Project 225, to Wright Constr. Co., Flynn Bldg., Des Moines, $180,743.

Ia., Chariton—Grading, curbing, sewers and 7 in. rein.-con. paving 13,450 sq.yd. various streets, to R. C. Nelson Co., Council Bluff and Ottumwa. $37,612. Engrs. est. $39,657.

Ia., Des Moines—Polk Co., grading Clive-Grimes Rd., to J. W. Peed & Son, Ft. Dodge, $14,139; and Murrow and Elkhart-Cambridge Rds., to W. V. Flynn, Des Moines, $13,518 and $8,382 respectively. Grand total $36,039. Noted June 10.

Ia., Fairfield — Jefferson Co., to Des Moines Asphalt Co., Des Moines, improving Federal Aid Project 3, 48,200 cu.yd. excav. at $0.50 per cu.yd., 97,228 sq.yd. concrete paving $2.14, etc., and Federal Aid Project 294, 16,500 cu.yd. excav. $0.50, 32,720 sq.yd. concrete paving $2.14, etc.

Ia., Ft. Dodge — Webster Co. grading 4 mi. Federal Aid Project 272, Primary Road 90, and grading 48,894 cu.yd. Federal Aid Project 270, to W. H. Duffy, Mankato, Minn., $7,024 and $15,395 respectively; graveling 0.5 mi. Primary Road 389 and 8,352 cu.yd. Federal Aid Project 270, to H. R. Maudlin, Nevada, $536 and $7,879 respectively. Grand total $30,834. Noted June 10.

Ia., Ft. Dodge — Webster Co. to W. H. Duffey, Mankato, Minn., improving Federal Aid Project 272, 26,621 cu.yd. excav. at $0.23 per cu.yd., etc.; and to H. R. Maudlin, Nevada, Primary Road Project 389, 800 units gravel 1 mi. haul $0.30, 2,800 units overhaul $0.07, etc. Noted June 10.

Ia., Grundy Center—Grundy Co., to J. W. Peed & Son, Ft. Dodge, improving secondary roads, 17,500 cu.yd. earth excav. at $0.35 per cu.yd., 100 cu.yd. loose rock excav. $1, clearing and grubbing $423; to C. Carlson, Laurens, 8,200 ft. 6 in. tile drain $0.109, and 3,150 ft. 12 in. $0.27; to Wilder & Wilder, Iowa Falls, 12,500 cu.yd. gravel 1 mi. haul $0.38, 182,750 units overhaul $0.07, and 6,500 cu.yd. stripping $0.20, etc.

Ia., Hampton—Franklin Co., to C. McDonald, Minn., improving Project S-39, 30,581 cu.yd. earth excav. at $0.32 per cu.yd., 400 cu.yd. loose rock $0.90, 200 cu.yd. solid rock $2, 17,777 cu.yd. excav. $0.32, 540 ft. 12- to 24-in. culvert labor at $0.35 to $0.50 per ft., etc.

Ia., Nevada — Story Co., to Moore & Eldridge, Clemons, improving Maintenance Project M-158, 2,025 cu.yd. gravel, crushed screened, hauled 1 mi. and dumped $0.38 per cu.yd., 900 cu.yd. gravel loaded and hauled 1 mi. $0.40, 31,700 units $0.07, 3,450 cu.yd. $0.08, 650 cu.yd. gravel loaded and hauled 1 mi. at $0.27, 18,575 units at $0.0625.

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Ia., Newton—Grading, curbing and asphalt paving 7,880 sq.yd., and resurfacing 5,185 sq.yd. various streets, to J. S. McLaughlin & Sons, Red Oak. Engrs. est. $80,000. Noted Mar. 25.

Ia., Pocahontas—Pocahontas Co., to A. G. Schneiders, Pocahontas, improving Maintenance Project M-881, 5,200 cu.yd. gravel crushed and hauled 1 mi. at $0.3675 per cu.yd., 2,400 cu.yd. gravel hauled 1 mi. $0.29, 59,400 units at $0.07, 2,700 cu.yd. stripping $0.18, and 1,200 cu.yd. stripping $0.20; to J. W. Donnely, Gilmore City, 2,450 cu.yd. gravel crushed and hauled 1 mi. at $0.40, 450 cu.d. gravel hauled 1 mi. at $0.30, 10,575 units at $0.075, and 1,350 cu. yd. stripping $0.20; to Salisbury & Deboult, Rodman, 1,650 cu.yd. gravel hauled 1 mi. $0.30, 1,625 units $0.07, 2,450 units $0.08, 750 cu.d. stripping $0.20, and to A. R. Eno, Havelock, 4,350 cu.d. gravel hauled 1 mi. $0.30, 39,300 units at $0.065, and 2,500 cu. yd. stripping $0.20.

Ia., Pocahontas—Pocahontas Co. to J. W. Donnelly, Gilmore, improving Project S-96, 3,000 cu.yd. gravel 1 mi. haul at $0.42 per cu.yd. 750 units overhaul, $0.07, etc.; and to Salisbury & Debolt, Rodman, 6,000 cu.yd. gravel 1 mi. haul $0.26, 13,200 units overhaul $0.07, etc.

Ia., Sibley—Osceola Co., to Van & Van Hull, improving Project S-9, 4,800 cu.yd. excav. at $0.28 per cu.yd. 10,352 cu.yd. gravel 1 mi. haul $0.46, etc., also Project S-95, 5,000 cu.yd. gravel 1 mi. haul $0.36, 13,125 units gravel ½ mi. haul $0.08.

Ia., Spencer—Clay Co., graveling 34 mi. various roads in Dists. 82, 89, 86, 94, 60, 90, 54, 116, 103, 51, 64, 105 and 91, to A. B. Teepell, Lake View, approximately $27,000. Noted June 17.

Ia., Toledo—Asphaltic macadam paving, etc., 30,000 sq.yd. various streets, to Hargrave Constr. Co., Cedar Rapids, at $1.24 per sq.yd.

Ia., Waterloo—Black Hawk Co., to J. A. Dunkel, Webster City, improving secondary roads, 1 mi. blade grading $400, 30,875 cu.yd. earth excav. at $0.285 per cu.yd., 250 cu.yd. solid rock $2,50 and 250 cu.yd. loose rock $1, etc.; to A. Elkwald, Emmetsburg, 17,614 ft. 6 in. tile drain $0.103, and 1,436 ft. 8 in. tile drain $0.145.

Minn., Duluth—G. P. Phillips, city comr., concrete surfacing, etc., 19,317 sq.yd. Michigan St., to Thornton Bros. Co., 1363 Dayton Ave., St. Paul, $70,783. Noted May 20.

Kan., Columbus—Cherokee Co., to Tibbets & Tibbets, Kansas City, Mo., grading and graveling 6.482 mi. Federal Aid Project 299-A, $40,922, culverts on same, $13,065. Noted May 13.

Kan., Eldorado—Butler Co., grading, etc. 6.84 mi. Federal Aid Project 205-G, to O'Hagen & McVicker, Kansas City, Mo., $30,892. Noted May 20.

Kan., Lawrence—Concrete surfacing 35,473 sq.yd. and brick surfacing 17,697 sq.yd. various streets, to Geiger & Rutherford, Leavenworth, $124,301.

Kan., Olathe—Johnson Co. concrete surfacing, etc. 5.182 mi. Federal Aid Project 315-B, to Tibbets & Tibbets, Kansas City, Mo., $143,985. Noted May 13.

Kan., Pratt — Pratt Co., grading, etc., 1.265 mi. Federal Aid Project 305-B, and 5.606 mi. Federal Aid Project 341-A, to Somers Constr. Co., Newton, $42,445.

Kan., Salina—Salina Co., grading and culverts on 12.932 mi. Federal Aid Project 196-B and C, to A. L. Cook, Ottawa, $27,935 and $15,402 respectively. Noted May 13.

Kan., Wellington—Sumner Co., sand clay surfacing 7.923 mi. Federal Aid Project 323-C, to Shultz Constr. Co., Pittsburg, $28,821, culverts $8,980.

N. D., Fargo—Concrete paving 13th St. N. between 12th and 17th Aves., to W. E. Kennedy, Fargo, $41,646.

N. D., Fargo — City Auditor, concrete paving, etc. approximately 12 blocks various streets, to W. E. Kennedy, Fargo, $34,203; and asphaltic concrete paving various streets to S. Birch & Sons, Fargo, $18,441.

Missouri—State Hy. Dept., Jefferson City, to Fogleman & Davidson, St. Clair, 30 ft. grading 2.627 mi. road from De Sota east $26,531, and 2.455 mi. same road $29,472, both in Jefferson Co.; to C. E. Gray Constr. Co., Macon, grading and 18 ft. concrete paving, etc., 0.354 mi. Odessa-U. S. Route 40, Lafayette Co. $14,477, to J. Kesel & Sons, Edwardsville, Ill., 1.259 mi. Elvins—Flat River City Rd., St. Francois Co., $42,033; to Kochtitsky-Prasser, Cape Girardeau, grading, 7 and 9 ft. graveling, etc. 4.894 mi. road from Malden north, Dunklin Co. $71,972, and 3.777 mi. same road $54,047; to Service Constr. Co., Poplar Bluff, 30 ft. grading 3.7 mi. road from Leeper west, Wayne Co. $27,311, grading, 7 and 9 ft. graveling, etc., 2.879 mi. Delta-Stoddard Co. Line Rd., Cape Girardeau Co. $45,067, and 2.977 mi. same road $45,895; and to C. L. Johison, Warrensburg, 19 ft. graveling, etc. 3.954 mi. road from Ava west, Douglas Co. $19,807. Grand total $367,512. Noted May 20.

Mo., Joplin—To Granite Bituminous Paving Co., Ry. Exch. Bldg., St. Louis, asphaltic concrete bitulithic paving, etc., 10,500 sq.yd. A St. at $1.98 per sq.yd.; and to V. E. Koch, 417 Joplin St., concrete paving 445 sq.yd. alley between Joplin and Wall Sts. at $2.40 per sq.yd., squegee asphalt on concrete paving, etc., 1,098 sq.yd. Islington Pl. $1.87, flintkoat bituminous on concrete paving 2,550 sq.yd. Sergeant St. $1, and curbing 2,746 ft. Joplin St. $0.59. Noted June 24.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, granite block paving, etc., Arlington Ave., to Eyermann Constr. Co., 1216 South Grand Blvd., $14,146; recut granite block paving, etc., Cass Ave., to Skrainka Constr. Co., Security Bldg., $106,136; shallow granite block paving, etc., Cass Ave., to Perkinson Bros. Constr. Co., 3237 Carter Ave., $132,611; and warrenite bitulithic paving, etc., West Florissant St., to Granite Bituminous Paving Co., Ry. Exch. Bldg., $99,179. Grand total $352,072. Noted June 24.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Skrainka Constr. Co., Security Bldg., rein.-con. paving, etc., 8,000 sq.yd. Watson Rd. $32,838, and concrete paving 5 alleys $14,796; to Eyermann Constr. Co., 1216 South Grand Blvd., rein.-con. paving, etc., 10,500 sq.yd. Loughborough Ave. $52,132, concrete paving, etc., 760 sq.yd. Bay St. $4,042, and 7 alleys $21,625; to Webb-Boone Paving Co., 5103 Fyler Ave., asphalt paving, etc., 8,185 sq.yd. Lee Ave. $45,062; and grading, etc., 15,685 cu.yd. Grand Blvd. $14,514; and to Perkinson Bros. Constr. Co., 3237 Carter Ave., concrete paving, etc., 5 alleys $17,261. Grand total $187,758. Noted May 20.

Mo., University (St. Louis P. O.)—E. B. Colby, city clk., City Hall, concrete paving 1,670 sq.yd. Irma Ave., to Skrainka Constr. Co., Security Bldg., St. Louis, $5,645; and 16,280 sq.yd. Etzel Ave., to F. C. Stolle Constr. Co., Buder Bldg., St. Louis, $48,857. Noted May 6.

Ark., Little Rock—City Comrs., grading, curbing, guttering and 6 in. vibrolithic paving 37,000 sq.yd. Paving Dists. 429 and 430, to D. C. Horton, Ft. Smith, $135,000.

Ark., North Little Rock—Grading, curbing, guttering and 5 in. concrete paving various streets, to Keliher Constr. Co., 216 Home Insurance Bldg., Little Rock, $46,029.

Ark., Searcy—Brick on gravel paving 26,500 sq.yd. and concrete paving 41,700 sq.yd. Dist. 6, to Penny & Baldwin, Ponca City, Okla., $165,000; Kentucky rock asphalt on concrete paving 7,500 sq.yd. Dist. 7, to Turk Constr. Co., Little Rock, $23,000. Noted May 6.

Ark., Texarkana—Fine grading, curbing, 2 in. asphalt on 4 in. concrete paving, etc. 12,121 sq.yd. County Ave., Paving Dist. 47, to O. Yengling, Texarkana, approximately $34,000.

Tex., Alice—Jim Wells Co., (**e. e. means engrs. est.**), to W. L. Pearson & Co., 1st Natl. Bank Bldg., Houston, rock asphalt surfacing 16.098 mi. Highway 12, Federal Aid Project 429-G, Unit 2, $254,308 e. e. $315,700, 14.417 mi. Highway 12, Federal Aid Project 429-H, Unit 2, $242,535 e. e. $293,600, 13.69 mi. Highway 12, Federal Aid Project 429-E, Unit 2, $223,871 e. e. $282,500, 5.937 mi. Highway 12, Federal Aid Project 424-C, Unit 2, $92,407 e. e. $124,435, and 14.2 mi. Highway 12, Federal Aid Project 429-F, $173,738 e. e. $233,900. Grand total $986,759. Noted July 1.

Tex., Childress—Asphalt on rock paving 20,000 to 60,000 yd. various streets, to Jordan Constr. Co., Plainview, at $2.90 per yd. Noted June 24.

Tex., Galveston — Galveston Co., 7 in. rein.-con. monolithic concrete paving Bway., to J. P. Foty, Wichita Falls, $34,731. Engrs. est. $37,000.

Tex., Gonzales—Gonzales Co., 2½ in. bituminous macadam on 5 in. sledged stone paving 8.084 mi. Highway 81, Federal Aid Project 440-B, 18 ft., to J. W. Goodrum, Seguin, $128,712. Engrs. est. $150,750. Noted July 1.

Tex., Groveton — Trinity Co., grading, bridging and rein.-con. paving 19,054 mi. Highway 94, State Aid Project 677-A, to J. S. Moore & Sons, Lufkin, $84,020. Engrs. est. $100,000. Noted June 24.

Tex., Houston — Paving Chenevert St. from Preston Ave. to Maple St., to Smith Bros., Inc., 2402 West Dallas Ave. $32,091.

Tex., Houston—Permanent paving Dowling St. from Elgin Ave. to Southmore Blvd., to Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., Houston, $116,611. Noted June 24.

Tex., Houston—Permanent paving Rosedale Ave. from Live Oak to Newman Sts.,

Streets and Roads (Continued)

to Gulf Bitulithic Co., 801 Bankers Mortgage Bldg. $45,812.

Tex., Laredo—Uvalde rock asphalt paving 15 blocks Guadalupe St., to A. J. Madlem, Laredo, approximately $60,000.

Tex., Raymondville—Willacy Co., curbing, guttering and concrete paving 25,000 sq. yd. various streets, to Southwest Bitulithic Co., Gunter Bldg., San Antonio, $79,165. Engrs. est. $85,000. Noted July 1.

Tex., Raymondville—For 6 in. rein.-con. paving 9 blocks Hidalgo and 7th Sts., to Southwestern Bitulithic Co., Gunter Bldg., San Antonio, $79,000.

Tex., Rockwall—Rockwall Co., rein.-con. paving 3 mi. Fate-Blackland Rd., 8 ft., to R. B. Everett, McKinney, $32,000. Engrs. est. $33,000.

Tex., Seymour—Baylor Co., rein.-con. and gravel surfacing 12.72 mi. Highway 24, Federal Aid Project 455-A, and 13.68 mi. same road, Unit 2, to Womack Constr. Co., Sherman, $183,962 and $148,696 respectively. Noted May 27.

Tex., Sherman—Permanent paving various streets to J. P. Foty, P. O. Box 1486, Wichita Falls, at $2.35 per yd. Engrs. est. $100,000.

Tex., Texarkana—Bowie Co., modified topeka mix on concrete paving 15 blocks County Ave. from 9th to 24th Sts., to O. Yengling, Texarkana, $31,089. Engrs. est. $33,000.

Oklahoma — State Hy. Dept., Oklahoma City, grading, etc. Federal Aid Project 192, Sect. A, Nowata and Washington Counties, and 27.359 mi. State Highway 10, State Aid Project 184, Cherokee and Delaware Counties, to Hamilton Constr. Co., Bartlesville, $31,532 and $87,190 respectively.

Okla., Elk City—Vertical fibre brick paving, etc., 10,220 sq.yd. in Dist. 6, to Standard Paving Co., 1742 East 6th St., Tulsa, $50,757. Engrs. est. $52,000.

Okla., Muskogee—Grading, curbing and concrete paving 25,511 sq.yd. various streets, to Standard Paving Co., 1742 East 6th St., Tulsa, $81,228. Engrs. est. $92,378. Noted May 27.

Okla., Muskogee—Grading, and 6 in. concrete paving 25,511 sq.yd. various streets, to Standard Paving Co., 1742 East 6th St., Tulsa, $69,245. Noted July 1.

Okla., Oklahoma City—Grading, curbing and concrete surfacing 17,370 sq.yd. Avenue C and McKinley Ave., to M. A. Swatek, 519 West Main St., $57,610, engrs. est. $59,200; also grading, curbing and sheet asphalt surfacing 5,660 sq.yd. Pine St., to Western Paving Co., Tradesmens Bldg. $27,179, engrs. est. $28,000. Noted Apr. 29.

Okla., Shidler—J. C. Ifland, city clk., concrete paving, etc. 9,600 sq.yd. Cosden Ave., to T. Gudgel, Stillwater, $29,464. Engrs. est. $32,000. Noted June 24.

Okla., Tulsa — R. J. Moore, city aud., grading, concrete paving, etc. 14,771 sq.yd. in Dist. 720, to H. L. Cannady & Co., 1122 South Lewis St., $50,006, engrs. est. $56,-221; and 11,479 sq.yd. in Dist. 721, to Standard Paving Co., 1742 East 6th St., $32,290, engrs. est. $35,000. Noted June 24.

Washington—State Hy. Dept., Olympia, **(S.R. means State Road)**, crushed gravel-ing, etc. 21,760 cu.yd. S.R. 3 and 7, Kittitas Co., to F. S. Bishop, 2155 4th Ave. W., Seattle, $28,375; crushed rock surfacing, etc. 18 mi. S.R. 8, Klickitat Co., to G. M. Hazard, Stevenson, $19,496; and 235 cu.yd. concrete in drainage structures, etc. on S.T. 1, Whatcom Co., to G. A. Banderet, Bryn Mawr, $57,584. Grand total $105,455. Noted June 3.

Wash., Ellensburg—Grading, warrenite bitulithic paving, etc., 23,270 sq.yd. Chestnut St. et al, to Yakima Paving Co., Perkins Bldg., Tacoma, $69,615. Noted June 10.

Wash., Seattle—Bd. Pub. Wks., grading East 42nd St. et al., to F. Agostino Co., 1318 21st St. S., $37,486. Noted July 1.

Oregon — State Hy. Dept., Salem, constructing 11.5 mi. Heppner-Spray Project, Chapin Creek Sect., Umtilla Natl. Forest Highway, 18 ft., Morrow and Wheeler Counties, to A. L. Smith, Spokane, Wash., $118,105; and John Day Pilot Rock Highway, Grant Co., to J. A. Terteling & Sons, Moscow, Ind., $101,410.

Oregon—State Hy. Dept., Salem, improving 11.5 mi. Heppner-Spray National Forest Rd., Morrow and Wheeler Counties, to Logan Bros., Arlington, $118,700. Engrs. est. $125,000.

California—State Hy. Dept., Sacramento, grading 4 mi. road through Big Valley, Lassen Co., to J. F. Collins, Stockton, $65,019.

Calif., El Cerrito — Improving Berkeley Country Club Terrace, to W. Tobin, 527 Santa Ray Ave., Oakland, $60,695. Noted July 1.

Calif., Glendale—Curbing, guttering, sidewalks, sheet asphalt and asphaltic concrete paving Graynold Ave., Idlewood Rd., 8th St., et al., to C. U. Heuser, 816 Allen St., $52,386.

Calif., Glendale—Curbing, walks, grading and asphaltic concrete paving Graynold Ave., etc., to C. U. Heuser, 816 Allen St., $52,386.

Calif., Long Beach—To Sully-Miller Co., 1500 West 7th St., improving portion Ocean Ave., 5,570 tons asphalt mix at $5.80 per ton, etc.

Calif., Los Angeles—Improving Alcott St., to Curtis Paving Co., 2440 East 26th St., $31,229; and 49th St. between Angeles Mesa and West Blvd., to G. H. Oswald, 366 East 58th St., $43,050. Noted July 1.

Calif., Los Angeles—Supervs. Los Angeles Co., vibrolithic paving, etc. 303,185 sq.ft. Peck Rd., Co. Impvt. 468, to Curtis Paving Co., 2440 East 26th St., $83,485; curbing, walks, guttering, and disintegrated granite paving, etc. portion Cameron St., Co. Impvt. 433, and streets in Bellflower Dist., Co. Impvt. 441, to J. and P. Cristich, 1817 East 3rd St., $48,607 and $144,738 respectively. Grand total $276,830. Noted May 13.

Calif., Los Angeles — Supervs. Los Angeles Co., grading and Willite paving, etc. 428,487 sq.ft. Inglewood Ave., etc., to G. H. Oswald, 366 East 58th St., $106,496; also concrete paving, etc. 190,432 sq.ft. 2nd St. extension, to Callahan Constr. Co., California Bldg., $98,188. Noted June 3 and July 1.

Calif., Los Angeles—Bd. Pub. Wks., curbing, walks, concrete and asphalt paving, etc. portion Grand View St., to Curtis Paving Co., 2440 East 26th St., approximately $25,458. Noted May 6.

Calif., Monterey—To J. L. Conner, P. O. Box 542, improving portions Cass St., 97,-500 sq.ft. concrete paving, at $0.21 per sq.ft., 3,870 lin.ft. concrete curbing, at $0.60, 14 sidewalk crossings $12 each, etc.

Calif., Monterey — To Clark & Henery Constr. Co., Chancery Bldg., San Francisco, improving Monroe, High, and Clay Sts., 119,000 sq.ft. 2 in. asphaltic concrete paving at $0.15 per sq.ft., 28,200 sq.ft. 4 in. asphaltic concrete paving $0.22, etc., total approximately $25,500.

Calif., North Sacramento—Trustees, grading and 5 in. asphalt paving 215,000 sq.ft. Del Paso Blvd., to Clark & Henery Constr. Co., Chancery Bldg., San Francisco, $56,068. Noted May 27.

Calif., Oakland — Curbing, walks, asphaltic concrete paving, etc., 20th St. between San Pablo Ave. and Harrison St., to Hutchison Co., Hutchison Bldg., approximately $50,000.

Calif., Oakland—G. A. Gross, clk. Alameda Co., to W. H. Hauser, 3129 East 7th St., improving road from Dumbarton bridge to Newark, 1,500 ft. grading at $1 per ft., 77,000 ft. concrete paving 6-8 in. $0.265, 5-7 in. $0.25, and 6-8 in. $0.26, etc. Noted June 10.

Calif., Oxnard—For 4, 5 and 6 in. concrete paving various streets, to Fleming Constr. Co., 105 North Park Ave., Pomona, $56,462. Noted June 24.

HIGHWAY—TENNESSEE

Bids were opened by State Highway Department, Nashville, (lowest four and highest) for constructing 11.04 mi. of road between Cleveland and Charleston, Bradley County, (A) A. M. Cook & Co., Wartburg (awarded contract); (B) Brown Contracting Co., Chattanooga; (C) Scott & Martin, Iuka, Miss.; (D) R. S. Freeman, Knoxville; (E) Calloway & Fisher, Lenoir City. The unit bids are as follows:

	A	B	C	D	E
59,074 cu.yd. excavation, common	$0.39	$0.38	$0.40	$0.39½	$0.46
4,355 cu.yd. excavation, solid rock	1.25	1.00	1.50	1.50	1.50
16,357 cu.yd. borrow	.39	.38	.35	.39	.46
666 cu.yd. excavation, dry	1.00	1.00	1.00	1.00	1.75
142 cu.yd. excavation, wet	3.00	4.00	4.00	4.00	5.00
10 cu.yd. excavation, rock (structures)	5.00	5.00	4.00	4.00	7.00
3,010 cu.yd. excavation, hauled each 100 feet over the F. H	.05	.05	.03	.05	.03
6.98 cu.yd. special concrete	50.00	45.00	40.00	65.00	60.00
597.43 cu.yd. class "A" concrete	22.00	25.00	22.00	22.50	26.00
183.09 cu.yd. class "B" concrete	22.00	25.00	22.00	22.50	26.00
68,128 lb. deformed steel bars	.06	.06	.06	.05½	.07
1,525 lin.ft. 18 in. c. i. pipe (alternate)	.....	.....	4.00	4.50	5.25
830 lin.ft. 24 in. c. i. pipe (alternate)	.....	.....	7.00	7.50	8.00
1,525 lin.ft. 18 in. concrete pipe	2.40	2.50	2.30	2.50	.....
830 lin.ft. 24 in. concrete pipe	3.30	4.00	3.50	3.60	.....
1,525 lin.ft. 18 in. V. C. pipe (tr. str.) (alt.)	.....	.....	2.30	2.80	.....
830 lin.ft. 24 in. V. C. pipe (tr. str.) (alt.)	.....	.....	3.50	4.50	.....
Bridges Over 20-ft. Span					
46 cu.yd. excavation, dry	1.00	1.00	1.00	1.00	2.00
100 cu.yd. excavation, wet	3.00	4.00	4.00	5.00	6.00
15 cu.yd. excavation, rock	5.00	5.00	4.00	8.00	5.00
5.51 cu.yd. special concrete	50.00	40.00	100.00	70.00	60.00
91.15 cu.yd. class "A" concrete	22.00	25.00	24.00	25.00	26.00
26.24 cu.yd. class "B" concrete	22.00	25.00	22.00	25.00	26.00
11,292 lb. deformed steel bars	.06	.06	.06	.06	.07
676 lb. fabricated structural steel	.15	.07	.10	.25	.35
Extended totals using c. i. pipe	.....	.....	$75,267	$77,524	$88,571
Extended totals using concrete pipe	$68,219	$69,901	69,769	71,237	.....
Extended totals using V. C. pipe	.....	.....	.....	72,441	.....

Calif., Tracy—To J. E. Johnston, Savings & Loan Bldg., Stockton, improving Center St., etc., 111, 457 sq.ft. grading at $0.025 per ft., 99,171 sq.ft. Willite paving, $0.225, etc., total $43,122.

Quebec — Provincial Govt., Parliament Bldgs., Quebec, to Laganiere-Houde & Cie, Grondines, graveling 6,742 ft. east part Levis-St. Lambert Highway, in St. Jean Baptiste de Nicolet $23,270, 22,867 ft. west part same highway $30,871, 7,881 ft. west part same road in St. Michel de Yamaska $9,089, and 17,449 ft. east part $22,322; also to O'Connors Bros., Ltd., Huntingdon, roads in Lorette, Loretteville, Charlesbourg, St. Augustin, etc., $69,657. Grand total $155,209.

Ontario—S. L. Squares, deputy minister Dept. Hys., Parliament Bldgs., Toronto, waterbound macadam paving 5.34 mi. road from Kent Co. line to Wardsville, 20 ft., Contr. 26-129, to A. E. Jupp Constr. Co., 170 Berkley St., Toronto. Engrs. est. $100,000. Noted April 22.

Ontario—Dept. Pub. Highways, Toronto, concrete paving 7.7 mi. road from Brighton to Trenton, Contr. 1275 to W. H. Harvey, Deseronto $150,000, 5.6 mi. road from west of Clinton to Goderich Contr. 26-118, to Boss & Brazier Constr. Co., Woodmen of the World Bldg., London $120,000, 8.52 mi. road from Thamesville to Kent Co. line, Contr. 26-119, to Johnson Bros., 43 Market St., Brantford $170,000 and Dundas Bridge, Contr. 26-139, to Holderaft Constr. Co., Kingston, $20,000; asphalt paving 5.94 mi. road from Wardsville to Strathburn, Contr. 26-127, to Merlo, Merlo & Ray, Sandwich St., Ford City, $150,000; bituminous penetration macadam paving 3.5 mi. Contr. 26-132 from Yonge's mills west, to McLean & Stidwell, Cornwall, $60,000; surface treating 14 mi. road from Picton to point 4 mi. south of Bellville Bay Bridge, Contr. 26-133, 11 mi. from Arthur to Fergus, Contr. 26-135 and 6 mi. road from Guelph to Rockwood, Contr. 26-136, to Municipal Road Spraying & Oiling Co., 50 Yonge St. Arcade, Toronto $25,000, 3.8 mi. Owen Sound South and Kincardine East Rds., Contr. 26-134, to Bituminous Spraying & Contg. Co., Confederation Life Bldg., Toronto, $3,000; grading Windermere Cutoff, to Randolph MacDonald Co. Ltd., Crown Office Bldg., Toronto, $30,000. Grand total $728,000. Noted June 10.

Ont., Toronto—To Kilmer & Barber, 10 Adelaide St. E., asphalt on concrete paving St. Paul St. $4,419, to Godson Contg. Co., 203 Richmond St. W., Sparkhill Ave. $5,241, bituminous concrete paving Maughan Crescent $11,453, concrete curbing same street at $0.70 per lin.ft., and brick block paving Park Rd. $4,375; to Grant Contg. Co., 47 Wellington St. E., concrete sidewalks on Bedford Park Ave. $0.175 per sq.ft. Mount Pleasant Ave. $0.159, to Glen Manor Dr. at $1.44 per lin.ft., Ridge Dr. $1.49, and Turnberry Ave. $1.49; to T. E. Lane, 37 Yorkville Ave., Chatham Ave. at $0.178 per sq.ft., and Mount Pleasant Rd. $0.174

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Streets and Roads (Continued)

per sq.ft.; to City Wks. Dept., by day labor, asphalt on concrete paving Harper Ave. $4,718, Heath St. $1,837, Hudson Ave. $6,372, Rosedale Heights Dr. $7,350, Welland Ave. $8,782, Lascelles Blvd. $8,222, River St. $2,929, Tracy St. $2,927, Turnberry St. $3,610, and bitulithic surfacing Langley Ave. $11,001.

Ont., Toronto—York Twp. to Warren Bituminous Paving Co. Ltd., 54 University Ave., bitulithic concrete on concrete paving Wychwood Ave. $11,497, Conway Ave. $7,123 and Northcliff Blvd. $8,666; to Constructing & Paving Co., Ltd., Confederation Life Bldg., sheet asphalt on concrete paving Ruston Rd. $16,120, and Earlsdale Ave. $17,917, to Kilmer & Barber Ltd., 10 Adelaide St. E., Raglan Ave. $29,542, and to Gedson Contg. Co., 203 Richmond St. W., St. Johns Rd., $28,484. Grand total $119,349.

Ont., Toronto—York Twp., waterbound macadam, bituminous penetration macadam and concrete paving Sutton and Thornhill Rds., to Warren Bituminous Paving Co., 54 University Ave.; Scarlett Rd., to Constructing & Paving Co., Confederation Life Bldg.; Queen St. to Standard Constr. Co., Mimico; Dawes Rd., to Kilmer & Barber, 10 Adelaide St. E.; Kenedy and Vivian Rds., etc., to J. G. Dagg Co, Maple; Agincourt Rd., to Orr & Clark, 121 Carlow Ave.; Langstaff and Milligan Rds., to A. E. Jupp Constr. Co, 170 Berkeley St.; Weston Rd., to R. S. Fisher, 877 Broadview Ave.; and Browns Line Rd., to Godson Contg. Co., 203 Richmond St. Engrs. est. $365,000. Noted Mar. 25.

B. C., Point Grey—Municipal Council, permanent paving various streets, to Cotton Co. Ltd., False Creek Yards, Vancouver $6,525, to Rawson, Wade & Co., Bedins Bldg., Vancouver $7,098; and to Armstrong Morrison Paving Co., 543 Granville St., Vancouver $17,700. Grand total $31,323. Noted May 20.

B. C., Vancouver — Asphaltic concrete paving various streets, to Columbia Bitulithic Co. Ltd., 402 Pender St. W. $56,653; concrete paving various streets, to Dawson, Wade & Co., Bedins Bldg., $29,350; and concrete sidewalks on various streets, to G. W. Tedingham, 348 8th Ave. E., $52,387. Grand total $138,390. Noted June 3.

Buildings—Commercial

Proposed Work

Mass., Boston—THEATRE, STORE and OFFICE—Kenmore Theatre Co., A. R. Olinder, 80 Federal St., having sketches made by Desmond & Lord, 1 Beacon St., 2 story and basement, brick and stone, Beacon St., near Kenmore Station. $300,000.

Mass., Dorchester—Y. M. C. A., A. A. Johnson, pres., 316 Huntington Ave., raising $500,000 funds and plans Y. M. C. A. building. Engineer and architect not selected.

Mass., Newton (Ind. br. Boston) — GARAGE—Middlesex & Boston Street R.R. Co., 23 Commonwealth Ave., Auburndale, plans 1 story, 125 x 200 ft., rein.-con. and brick garage. $150,000. Private plans.

Mass., Quincy (Ind. br. Boston)— OFFICE—Granite Trust Co., 1370 Hancock St., plans new office building, Hancock St., $150,000 or more. Engineer and architect not selected.

Mass., Quincy (Boston P. O.)—BANK —Granite Trust Co., T. King, pres., 1370 Hancock St., plans 1 and 2 story, probably concrete, brick and steel, Hancock and Chestnut Sts. $150,000. Engineer and architect not selected.

Mass., Somerville (Boston P. O.)—HOME —Home for Aged, c/o C. M. Baker, archt., 25 Arch St., Boston, having sketches made 3 story and basement, brick home. $150,000.

Mass., Springfield — GARAGE — H. C. Hearne, archts., 1387 Main St., preparing sketches 2 story, 175 x 250 ft., rein.-con. garage. To exceed $150,000. Owner's name withheld.

Mass., Worcester—HOTEL—H. Glick, 4 Beeching St., having plans prepared by G. C Halcott, 390 Main St., brick and steel, Portland St. To exceed $150,000.

N. Y., Brooklyn—APARTMENT—Kings Highway Apartment, Inc., c/o E. M. Adelsohn, engr. and archt., 350 Stone Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Kings Highway and Clarkson Ave. $600,000.

N. Y., Buffalo — BANK and OFFICE — Manufacturers & Traders Trust Co., Main and Swan Sts., plans bank and office building, Main St. $700,000.

N. Y., New York—APARTMENT—Brodsky & Klask, Inc., c/o Springsteen & Goldhammer, engrs. and archts., 32 Union Sq., having plans prepared brick, steel and stone, plain foundation, 187th and Elm Sts. $500,000.

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N. Y., New York — APARTMENT — F. Cavalluzzo, c/o H. I. Feldman, engr. and archt., 415 Lexington Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, Sheridan Ave. $200,000.

N. Y., New York—APARTMENT—R. I. Realty Corp., c/o M. W. DeGaudio, engr. and archt., 160 West 45th St., having plans prepared brick, steel and stone, plain foundation, Adams Pl. $200,000.

N. Y., New York—APARTMENT—B. Jaffin, c/o Springsteen & Goldhammer, engrs. and archts., 32 Union Sq., having plans prepared 5 story, brick, steel and stone, plain foundation, Valentine Ave. $200,000.

N. Y., New York — APARTMENT — S. Minskoff, c/o Springsteen & Goldhammer, engrs. and archts., 32 Union St., having plans prepared 6 story, brick, steel and stone, plain foundation, Riverside Dr. $300,000.

N. Y., New York — APARTMENT — Owner, c/o Glick & Dumas, engrs. and archts., 375 East Fordham Rd., having plans prepared 6 story, brick, steel and stone, plain foundation, Boscobel Ave. and 169th St. $300,000.

N. Y., New York — APARTMENTS — Silverman & Berkowitz, c/o Springsteen & Goldhammer, engrs. and archts., 32 Union Sq., having plans prepared 2 brick, steel and stone, plain foundations, Bronx Park East. $300,000 each.

N. J., Asbury Park—OFFICE—Utilities Power & Light Corp., 327 LaSalle St., Chicago, Ill., having plans prepared 11 story, office building Bangs Ave. and Emory St., here. $850,000. F. D. Chase, Inc., 720 North Michigan Blvd., Chicago, Ill., engrs.

N. J., Jersey City—WAREHOUSE—Erie R.R. Co., 50 Church St., New York City, plans group storage warehouse buildings, Monmouth, 11th, 12th and Coles Sts., here. $25,000,000. First unit to be 12 story, $5,000,000. Private plans.

N. J., Ocean City—APARTMENT—Puritan Mortgage Co., 277 Madison Ave., New York City, having plans prepared by R. G. Pratt, Franklin Trust Bldg., Phila., Pa., 4 story, 135 x 200 ft. apartment, 3rd St. and Ocean Ave., here. $500,000.

Pa., Allentown—OFFICE—Light & Power Co. of Allentown having plans prepared by Helmee & Corbett, 132 West 42nd St., New York City, N. Y., 12 story and basement, rein.-con., brick and steel, plain foundation, Hamilton St.

Pa., Coatesville—HOSPITAL—Coatesville Hospital, c/o Heacock & Hokenson, archts., 1211 Chestnut St., Phila., soon lets contract 3 story and basement, 40 x 121 ft., rein.-con., brick and steel, plain foundation, here. Noted Apr. 15.

Pa., Phila.—CLUB HOUSE—Locust Club, H. Sundheim, pres., Bankers Trust Bldg., having sketches made by H. Trambauer, Land Title Bldg., 8 or 10 story and basement, rein.-con., brick and steel, plain foundation. $500,000.

Va., Richmond — STORAGE GARAGE — Richmond Motor Terminals, 10th and Broad Sts., R. T. Lipscombe, agt., plans 8 story, parking and storage garage, Main St. $850,000.

N. C., Elizabeth City—COURT HOUSE—Pasquotank Co., plans new court house. $400,000. Address Chairman Bd. Pasquotank Co. Comrs., Elizabeth City.

N. C., Greensboro — HOTEL — Sedgefield Continental Corp., soon takes bids 3 story and basement, 150 room hotel; at Sedgefield, near here. $400,000. N. Harris, 20 Branford Pl., Newark, N. J., archt. and engr.

N. C., Hendersonville—CLUB—Country Club Estates, Inc., W. B. Drake, pres., 717 North Blount St., Raleigh, plans club, $200,000, and developing 800 acres on Hendersonville-Asheville Highway, 1 mi. from here.

N. C., Hendersonville—OFFICE—Citizens Mutual Building Corp., plans Chamber of Commerce Building, 12 story and basement, $250,000. Engineer and architect not announced.

Ga., Waycross—HOTEL—Lott Investment Co. having plans prepared by G. L. Preacher & Co., 1204 Wynne Bldg., Atlanta, 100 x 100 ft. hotel. $500,000.

Fla., St. Petersburg—APARTMENT—R. Oxford purchased site and plans 3 story apartment, 5th and 2nd Sts. $175,000.

Fla., St. Petersburg — CO-OPERATIVE MARKET — Sanitary Public Market, Inc., A. L. Gandy, pres., plans 2 story cooperative market, 4th St. $200,000.

Ala., Birmingham — FIRE HOUSES — Voted $400,000 bonds, fire stations and equipment. Warren, Knight & Davis, Empire Bldg., Birmingham, archts. Noted Feb. 11.

La., Baton Rouge — HOTEL — Dixon & Himmermon having plans prepared by Jones, Rossele & Olschner, archts., Maison Blanche Bldg., New Orleans, Baton Rouge Hotel, 12 story, 128 x 164 ft., Church and Laurel Sts. $1,000,000.

La., Marksville — COURT HOUSE — Avoyelles Parish Police Jury, voted $200,000 bonds, rein.-con., brick and stone courthouse. Noted June 17.

Tenn., Memphis—BANK and OFFICE—July 7, by C. F. Farnsworth, vice-pres. 1st Natl. Bank, at office E. L. Harrison, archt., 1501 Fidelity Bank Bldg., 12 story, 68 x 75 ft., rein.-con. and steel, Union Ave. and Main St. $600,000.

Ky., Louisville—OFFICE—J. G. Brown, W-G Apartments, having plans prepared by P. J. Bradshaw, International Life Bldg., St. Louis, Mo., 4 story (ultimately 20 story) and basement, 122 x 170 ft., 4th Ave. and Bway. $750,000.

O., Akron—GARAGE—Park-Union Co., plans 2 story, brick Park and Union Sts. $150,000.

O., Dayton — OFFICE — Amer. Loan & Savings Assn., 3rd and Main Sts., plans 5 story and basement, rein.-con., steel and terra cotta addition, Main St. $175,000. Engineer and architect not selected.

O., Lakewood (br. Cleveland)—APARTMENTS—M. Duchon, 1077 Thornhill Ave., had plans prepared by M. Weis, 1836 Euclid Ave., Cleveland, 3 story and basement, 41 x 122 ft., brick, 11829 Lake Ave. $250,000.

Ind., Ft. Wayne—CHILDREN'S HOME—Bd. Comrs. Allen Co. having plans prepared by C. R. Weatherhogg, 250 West Wayne St., brick, Luna Rd. $170,000.

Ind., Gary—HOTEL—Gary Hotel Building Co., having plans prepared by C. W. Nicol, 310 South Michigan Ave., 9 story and basement, 125 x 180 ft., brick, steel and rein.-con. hotel. $2,000,000.

Ind., Indianapolis — APARTMENT — Maple Rd. Development Co., 904 East Maple Rd., had plans prepared by Pierre & Wright, 1134 Hume-Mansur Bldg., brick and rein.-con. apartment. $200,000.

Ind., Indianapolis — MEMORIAL — War Memorial Structures, P. Comstock, secy., having plans prepared by Walker & Weeks, 1900 Euclid Ave., Cleveland, O., 2 and 3 story, 200 x 200 ft., steel, limestone, marble or granite war memorial.

Ind., Indianapolis — THEATRE — Circle Theatre Co., 45 Monument Pl., takes bids about July 16, "Indiana Theatre" brick, steel and rein.-con. $1,000,000. Rubush & Hunter, Amer. Central Life Bldg., archts. Noted Nov. 26.

Ind., South Bend—HOTEL—H. Polis Co., 2403 Ernsberger St. takes bids about July 17, 6 story, brick and steel hotel. $150,000. W. Ellwood, 218 West Jefferson St., archt.

Mich., Detroit—APARTMENT—White & Delehanty, c/o C. N. Agree, archt., 1134 Book Bldg., having plans prepared 4 story and basement, 72 x 110 ft., brick and steel, plain foundation, Hubbard and Porter Sts. $150,000.

Mich., Detroit — APARTMENT — Owner, c/o J. I. Weinberg, archt., 514 Free Press Bldg., had plans prepared 3 story and basement, 50 x 115 ft., brick and steel, plain foundation, 16th and Marquette Sts. $150,000.

Mich., Detroit — CITY HALL — City, J. Lodge, pres. City Council, City Hall, plans rein.-con., brick, steel and stone, caisson foundation, Woodward Ave. Engineer and architect not selected.

Mich., Detroit—CLUB HOUSE—Owner, c/o S. E. Remey, archt., 1140 Griswold St., having plans prepared 3 story and basement, 110 x 130 ft., brick, steel and stone, plain foundation. $200,000.

Mich., Detroit — STORE, OFFICE and THEATRE—M. Finkel, archt., 1333 Book Bldg., soon lets contract 3 story and basement, rein.-con., brick and steel, plain foundation, 12th St. $150,000. Owner's name withheld.

Mich., Detroit—THEATRE, STORE and APARTMENT — Weber Realty Co., c/o Kohner & Payne, archts., 405 Kresge Bldg., having plans prepared 3 story and part basement, 2,000 seating capacity rein.-con., brick and steel, plain foundation, Gratiot Ave. and Six Mile Rd.

Ill., Chicago—APARTMENT—Oldefest & Williams, archts., 605 North Michigan Ave., soon takes bids 16 story and basement, 50 x 110 ft., rein.-con. and brick, 211 East Delaware Pl., for A. W. and I. E. Sommers, 195 East Chestnut St. $750,000.

Ill., Chicago — APARTMENT — M. Telechansky, 5053 Ellis Ave., soon takes bids 3 story and basement, 147 x 158½ ft., brick and stone, 3406-12 Ellis Ave. $350,000. E. J. Patelski, 179 North Wells St., archt.

Ill., Chicago—CLUB—Steuben Club, 38 South Dearborn St., had plans prepared by Vitzhum & Burns, 307 North Michigan Ave., 30-36 story, club, incl. swimming pool. $4,000,000.

Buildings—Commercial (Continued)

Ill., Chicago—HOSPITAL—Illinois Central Hospital, 5880 Stony Island Ave., having plans prepared by Schmidt, Garden & Erickson, 104 South Michigan Ave., 3 story and basement, brick addition.

Ill., Chicago—HOTEL—Syndicate, c/o W. Ahlschlager, archt., 65 East Huron St., having plans prepared 26 story and tower, 215 x 231 ft., North Michigan Ave. and Walton Pl. $4,000,000.

Ill., Chicago—OFFICE—A. S. Alschuler, archt., 28 East Jackson Blvd., takes bids about July 15, masonry contract, etc., 15 story and basement, 180 x 200 ft., brick, steel and terra cotta, Adams and Franklin Sts., for H. Goldstine & associates, 160 North La Salle St. $3,000,000. Noted Nov. 12.

Ill., Evanston—OFFICE and STORE—N. M. Dunning, archt., 25 East Jackson Blvd., soon takes bids 3 story, 100 x 160 ft., rein.-con., Ridge Ave. near Emerson St., for Row, Peterson & Co., 623 South Wabash Ave. $200,000.

Ill., Joliet—HOTEL—Zimmerman, Saxe & Zimmerman, archts., 212 East Superior St., Chicago, soon take bids 8 story and basement, 70 x 140 ft., rein.-con. and brick, Scott and Clinton Sts., here, for Clinton Sq. Hotel Co., 415 Clinton St. $350,000.

Wis., Madison—CLUB HOUSE—Knights of Pythias, c/o B. R. L. Hommedieu, 1706 Madison St., having plans prepared by E. Tough, Washington Bldg., 2 and 3 story and basement, 50 x 90 ft., rein.-con., brick and steel, plain foundation, West Wilson St. $150,000.

Wis., Milwaukee — STORE — Hartman Furniture & Carpet Co., 144 South Wabash Ave., Chicago, Ill., plans rebuilding brick and concrete store, plain foundation, recently destroyed by fire. To exceed $150,000. Engineer and architect not selected.

Wis., Milwaukee — THEATRE — Forest Investment Co., c/o Wolff & Ramsthal, archts., 453 Mitchell St., having plans prepared 2 story and basement, 116 x 175 ft., brick, concrete and terra cotta, plain foundation, Forest Home Ave. $350,000.

Minn., Rochester—NURSES HOME—St. Marys Hospital, Sister Mary Joseph, having plans prepared by C. H. Johnston, 715 Capital Bank Bldg., St. Paul, 3 story and basement, rein.-con., brick and stone, 11th Ave. S. W., and 2nd St. $300,000.

Kan., Kansas City—APARTMENT—P. H. Anthony, archt., Main Street Theatre Bldg., Kansas City, Mo., preparing plans 3 story and basement, 102 x 270 ft., rein.-con. and brick, 18th and Barnett Sts. $170,000. Owner's name withheld.

Kan., Paola — ADMINISTRATION — Ursuline Order takes bids in September, 3 story and basement, 120 x 230 ft., rein.-con., brick, stone and steel administration building. $300,000. Rose & Ridgeway, Brotherhood Bldg., Kansas City, engrs. Noted June 17.

Neb., Lincoln—OFFICE—W. E. Sharp, Lincoln, having preliminary plans prepared by J. G. McArthur, Keeline Bldg., Omaha, 15 story, brick, stone, steel, terra cotta and rein.-con. office building. $1,200,000.

Mo., St. Louis—CLUB and COMMUNITY CENTER — German House Society, Inc., 2345 Lafayette Ave., soon takes bids 4 story and basement, 100 x 260 ft., rein.-con., brick and stone, 3447 Lafayette Ave. $500,000. J. Heim, 211 North 17th St., archt.

Mo., St. Louis—HOSPITAL—Evangelical Deaconess Home and Hospital, 4215 West Belle Pl., J. P. Jens, supt., takes bids in early fall, 4 and 6 story and basement, rein.-con., brick and stone, Oakland and Clayton Aves. $500,000. T. P. Barnett Co., Arcade Bldg., archts. Noted Apr. 25.

Ark., Hot Springs—HOSPITAL—Sisters of Mercy, c/o G. A. Callahan, ch. building com., soon takes bids 4 story and basement, 47 x 222 ft., and 47 x 97 ft., rein.-con., brick and steel, Whittington Ave. $750,000. H. P. Hess, 1237 North Taylor Ave., St. Louis, Mo., engrs. Noted Feb. 19.

Texas—HOTELS—Singleton & Wallace, c/o P. G. Silber & Co., archts., 332 Bedell Bldg., San Antonio, plan hotels in Abilene, San Angelo and Brownsville, known as Bluebonnet Hotel, $300,000 each.

Tex., Brownsville—HOTEL—J. N. Nix, c/o Lanier Hotel, San Antonio, having revised plans prepared by Kelwood Co., c/o Travis Bldg., Hotel El Jardin, 8 story, 200 room, fireproof, here. $400,000. Noted Mar. 4.

Tex., Corpus Christi—HOTEL—J. E. Poulos, c/o Mecca Cafe, having plans prepared by A. B. and R. M. Ayres, Bedell Bldg., San Antonio, 4 or 4 story and basement, brick, stone and rein-con. here. $175,000. Noted June 3.

Tex., Houston—CLUB and OFFICE—B. P. O. E. 151, c/o J. H. Gibson, exalted ruler, having plans prepared by J. Finger, Woolworth Bldg., & A. C. Finn, Bankers Mortgage Bldg., 10 or more story and basement, rein.-con. and steel, club and office building. $350,000.

Tex., McAllen—HOTEL—McAllen Chamber of Commerce, purchased site and having plans prepared by R. H. Cameron, City Natl. Bank Bldg., San Antonio, 8 story and basement brick, stone and rein.-con. hotel. $300,000.

Tex., Paducah—COURT HOUSE—Cottle Co., c/o J. M. Whatley, judge, election July 31, $150,000 bonds, brick, stone and steel court house. Engineer and architect not selected.

Tex., San Antonio—HOTEL—July 9 (extended date), by Baker Hotels and H. S. Green, archt., c/o Alamo Natl. Bank Bldg., 3 story, brick and concrete addition, and altering 1st floor Gunter Hotel, St. Marys and Houston Sts. $700,000. Noted June 24.

Tex., San Antonio—OFFICE—Natl. Bank of Commerce, c/o J. K. Beretta, having plans prepared by Adams & Adams, c/o Builders Exch. Bldg., 5 story, rein.-con., brick and stone top addition, Soledad St. $200,000.

Tex., San Antonio—OFFICE—J. Freeman, J. Seligman, S. Lang, J. M. Frost, and N. Goldsmith, 215 West Laurel St., purchased site and making preliminary plans 20 or more story, 93 x 147 ft. office, Houston St. between St. Marys and Navarro Sts. $2,000,000.

Tex., Tyler—HOTEL—B. F. Clyde, plans 3 story, brick, stone, steel and rein.-con. hotel. $150,000. Engineer and architect not selected.

Okla., Oklahoma City — OFFICE — Oklahoma Gas & Electric Co., Insurance Bldg., making preliminary plans 8 story, 80 x 140 ft., rein.-con. and brick, plain foundation, Harvey St. $350,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, Ill., engrs. Architect not selected.

Colo., Rifle — COURT HOUSE — Plans court house. $200,000. G. W. Darrow, atty., head building com.

Wash., Vancouver—HOTEL—Local Syndicate having plans prepared by De Young & Roald, Spalding Bldg., Portland, Ore., up-to-date hotel, here. $250,000.

Ore., Seaside—HOTEL—Tourtelotte & Hummell, archts., Failing Bldg., Portland, preparing hotel, here. To exceed $200,000. Owner's name withheld.

Calif., Alhambra—STORE and OFFICE—W. P. Temple, had plans prepared by Walker & Eisen, 701 Great Republic Life Bldg., Los Angeles, and soon takes bids 4 story, 100 x 145 ft., steel and brick construction. $200,000.

Calif., Hollister—HOTEL, STORE and OFFICE—J. R. Pendergrass plans 4 story, rein.-con. hotel, store and office building. $150,000.

Calif., Los Angeles—APARTMENT—F. Webster, archt., Hollywood-Guaranty Bldg., preparing plans 5 story, brick, Flower St. $175,000. Owner's name withheld.

Calif., Los Angeles—APARTMENT—F. Webster, archt., Hollywood-Guaranty Bldg., preparing plans 3 story and basement, brick, Whiteley Ave. $150,000. Owner's name withheld.

Calif., Los Angeles—HOSPITAL—Hollywood Hospital, 1322 North Vermont Ave., had plans prepared by Meyer & Holler, Wright-Callendar Bldg., 6 story, 45 x 195 ft., rein.-con. annex, North Vermont Ave. $350,000.

Calif., Los Angeles — MERCANTILE — French Village, Inc., Bldg., having plans prepared by Meyer & Holler, Wright & Callendar Bldg., 2 story, rein.-con., Hollywood Blvd. $500,000.

Calif., Los Angeles—OFFICE—L. A. Investment Co., 1016 South Bway., having plans prepared by Walker & Eisen, Great Republic Bldg., 12 story and basement, 70 x 130 ft., rein.-con. Bway. near 11th St.

Calif., Los Angeles—OFFICE—Los Angeles Co. Medical Assn., W. Morrison, pres., Pacific Mutual Bldg., having plans prepared by Parkinson & Parkinson, Title Insurance Bldg., 13 story and basement, 120 x 150 ft., steel, Westlake and Wilshire Blvd.

Calif., Los Angeles—STORE—French Village, Inc., c/o Meyer & Holler, Wright-Callendar Bldg., having plans prepared 2 story, rein.-con., Hollywood Blvd. $500,000.

Calif., Los Angeles — STORE and OFFICE—Syndicate having plans prepared by Foss Building Co., 45 North Euclid Ave., Pasadena, 6 story and basement, rein.-con. and cast stone, South Los Robles Ave. $350,000.

Calif., Los Angeles—STUDIO—Parker Productions, c/o L. A. Bryant, designer, 700 South La Brea Ave., having preliminary plans prepared 30 x 650 ft., 100 x 200 ft. and 100 x 250 ft., frame and stucco buildings for motion picture studio. To exceed $150,000.

Calif., Oakland — OFFICE — East Bay Municipal Utility Dist., Ray Bldg., having plans prepared by E. T. Foulkes, Crocker Bldg., San Francisco, 4 story, rein.-con., 26th St. To exceed $150,000.

Calif., Riverside — AUDITORIUM—City having preliminary plans prepared by Woollett & Woollett, Pacific Mutual Bldg., Los Angeles, auditorium. $150,000 or more. Noted Dec. 10.

DRAIN—GRAND RAPIDS, MICH.

Bids were received by City for constructing Silver Creek Drain, Contract K-4, (A) Fry & Kain, Bluffton, Ind. (awarded contract); (B) Peninsular Construction Co., Grand Rapids; (C) A. Phelps & Sons, Ann Arbor; (D) Nevada Construction Co., Nevada, Ia.; (E) C. A. Handeyside Construction Co., 12-233 General Motors Bldg., Detroit; Callahan & Cross Co., Detroit, $238,232; Swingle & Robinson, Wyandotte, $244,400; F. Jansma & Son, Grand Rapids, $263,033; Folwell-Ahlskog Co., Chicago, $264,017; O. Johnson & United Construction Co., Grand Rapids, $275,944. The unit bids of the lowest four and highest bidders are as follows:

	Cut in Feet	A	B	C	D	E
3,335 lin.ft. type "A" & "B" drain. sta. 57&92—91&27	9.0	$20.90	$21.50	$26.00	$22.50	$34.00
5,700 lin.ft. type "C" drain sta., 91&27—148&27	.94	18.90	20.00	18.00	21.00	29.00
1,556 lin.ft. 36 in. reinforced concrete pipe sta. 51&80—57&60, 57&92—67&68	8.7	6.75	7.00	6.00	6.00	8.00
1,556 lin.ft. 36 in. monolithic plain concrete 51&80—57&60, 57&92—67&68	8.7	6.75	.....	5.00	.....	.....
1,075 lin.ft. 30 in. reinforced concrete pipe, sta. 67&68—78&43	13.0	5.00	6.25	4.50	6.00	7.00
1,075 lin.ft. 30 in. monolithic plain concrete sta. 67&68—78&43	13.0	5.00	.....	4.50	.....	.....
400 lin.ft. 30 in. storm sewer, sta. 66&20—Crofton and Division Avenue	3.0	5.00	4.75	4.00	4.50	6.00
5 m.ft. b.m. track support in Division Avenue	....	100.00	150.00	40.00	100.00	60.00
125 lin.ft. 21 in. plain d. s. concrete pipes at Horton Avenue	6.0	3.50	3.10	3.00	4.00	5.00
125 lin.ft. 21 in. d. s. vit. clay pipes at Horton Ave.	6.0	.....	.....	3.00	4.50	.....
180 lin.ft. 8 in. separate sewer, sta. 131&05—132&85	8.0	1.50	2.00	1.50	2.00	2.50
10 type "A" manholes	....	80.00	85.00	70.00	70.00	100.00
15 type "B" manholes	....	100.00	80.00	80.00	70.00	100.00
2 type "C" manholes	....	90.00	90.00	90.00	70.00	150.00
2 overflow m. h. at Linden and Boston and at Division Avenue	....	120.00	100.00	120.00	100.00	150.00
7,000 lin.ft. underdrain	....	.60	.40	.85	1.00	1.00
2,000 cu.yd. additional earthwork above bottom of main sewer	....	.80	1.00	1.50	.50	1.50
1,000 cu.yd. additional earthwork below bottom of main sewer	....	1.50	1.00	2.00	1.50	2.00
1,000 cu.yd. gravel refill	....	2.20	2.00	2.00	2.50	2.50
30 m. ft. b.m. timber left in place	..	40.00	40.00	40.00	50.00	50.00
200 cu.yd. additional class "A" concrete	....	14.00	13.00	16.00	16.00	15.00
20,000 lb. additional steel reinforcement	....	.05	.05	.05	.05	.05
5 cu.yd. additional brick masonry	....	25.00	25.00	25.00	25.00	30.00
List 1,404.80 A.S.T.M. clay pipe and specials	..	—25%	—20%	0%	—10%	0%
Extended totals		$214,916	$222,990	$228,128	$235,063	$327,093

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Buildings—Commercial (Continued)

Calif., San Francisco—HOTEL—O. R. Thayer, archt., 110 Sutter St., preparing preliminary plans 7 story and basement, steel and brick, near Civic Center, $250,000. Owner's name withheld.

Calif., San Francisco — HOTEL — J. Greenback, 180 Jessie St., having plans prepared by C. O. Clausen, Hearst Bldg., 12 story and basement, rein.-con., Eddy St. near Taylor St. $350,000.

Calif., San Francisco — THEATRE — Golden State Theatres, Inc., 86 Golden Gate Ave., plans thearte, 1,800 to 2,000 seating capacity, 8way. near Grant Ave. $200,000.

Calif., Santa Monica — CLUB, etc. — Mission Beach-Yacht Club (J. P. Ferguson, interested, Santa Monica), having preliminary plans prepared by J. Donovan (designer) 13,047 San Vicente Blvd., 12 story and basement, 150 x 200 ft., rein.-con., incl. house ice skating rink, 60 x 100 ft. swimming pool, etc., California Ave. $850,000 or more.

Ont Ottawa—HIGH SCHOOL—Ottawa Collegiate Bd., Elgin St., plans 3 story and basement, 22 room, rein.-con., brick and steel, plain foundation, also addition to Globe Collegiate Building. $250,000. Engineer and architect not selected.

Ont., Ottawa — STORE and OFFICE — Ottawa Electric Co., D. R. Street, pres., having plans prepared 10 story, 60 x 150 ft. store and office building, Sparks St. $600,000. Engineer and architect not selected.

Ont., Toronto—APARTMENTS—Cawthra Apartments, Ltd., 65 Adelaide St. E., had plans prepared by Dowswell & Dolphin, 61 Adelaide St. E., three 3 story and basement, 33 x 169 ft., rein.-con., brick and steel, plain foundations, College St. $500,000.

Ont., Toronto — ARMORY — Toronto Regiment, 14th Infantry Brigade, Queens Rangers, Toronto Scottish, and Irish Regiment, c/o F. H. Dunham, 34 Younge St., plan 1 and 2 story, rein.-con., brick and steel, plain foundation, Ramsden Park. $300,000. Engineer and architect not selected.

Bids Desired

Mass., Boston—STORE—Hill & Bush, 372 Boylston St., taking new bids altering and constructing 6 story and basement, brick, 367 Boylston St. $150,000. E. B. Stratton, 25 Arch St., Boston, archt.

Mass., Fall River — OFFICE — M. T. Hudner, 180 South Main St., taking bids brick and steel office, South Main St. $200,000. E. Marvel, 209 Bedford St., archt.

Mass., Greenfield—HOSPITAL—Franklin Co. Pub. Hospital, H. G. Stetson, doctor, taking new bids enlarging and improving 3 story and basement, brick hospital. $300,000. Former bids rejected. Noted June 3.

Mass., Lynn—APARTMENT—See "Contracts Awarded."

Mass., Quincy (Boston P. O.)—TEMPLE—Quincy Masonic Building Assn., c/o J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, taking bids 2 story and basement, 80 x 120 ft., brick and limestone, Hancock and Russell Sts., here. $300,000. Noted Apr. 3.

N. Y., Albany—HOTEL—See "Contracts Awarded."

N. Y., New York—APARTMENTS—See "Contracts Awarded."

Pa., Monessen—MUNICIPAL—July 14, by J. C. Lermann, city clk., 3 story and basement, 60 x 100 ft., brick and steel municipal building. $140,000. H. E. Clark, Monessen, archt.

La., Alexandria—MASONIC—Aug. 3, by S. Stone, Jr. & Co., archts., 714 Union St., New Orleans, 5 story, rein.-con. and steel masonic temple, here, for Masonic Benevolent Assn. $250,000. H. J. Duncan, Alexandria, associated archt. Noted May 20.

La., New Orleans—STORE and OFFICE—July 12, by Huszahn & Hill, archts., 6 West Michigan Ave., Chicago, 6 story, rein.-con., limestone, brick and steel, St. Charles Ave. and St. Andrew St., here, for Pan Amer. Petroleum Corp., here. Noted June 10.

Ind., Oaklandon—HOSPITAL—Aug. 6, by Bd. Comrs. Marion Co., "Sunnyside Hospital," brick and steel, incl. nurses home, infirmary, administration and X-ray buildings. $310,000. Harrison & Turnock, 500 Bd. Trades Bldg., Indianapolis, archts.

Ind., Sunnyside (mail Indianapolis) — HOSPITAL — Aug. 6, by Comrs. Marion Co., Courthouse, altering and constructing additional buildings, etc., on Marion Co. Tuberculosis hospital site. Harrison & Turnock, 500 Bd. Trade Bldg., archts. and engrs. Noted Mar. 11.

Mich., Detroit — APARTMENT — C. N. Agree, archt., 1134 Book Bldg., taking bids and opens same about July 7, 4 story and basement, 77 x 127 ft., brick and steel, plain foundation, Rochester Ave., for Hartman & Agree, 1134 Book Bldg. $150,000.

Wis., Beloit — BANK — Beloit Savings Bank, 119 Grand Ave., and W. G. Uffendall, archt., 39 South State St., Chicago, Ill., taking bids 1 story and basement, 55 x 90 ft., brick, stone and concrete, plain foundation, North State St. $150,000. Noted May 6.

Wis., La Crosse—DEPOT and OFFICE—July 15, by Chicago, Milwaukee & St. Paul R.R. Co., C. F. Loweth, ch. engr., Union Sta., Chicago, Ill., 2 story and part basement, 40 x 102 ft., and 40 x 114 ft., brick and concrete, plain foundation, here. $100,000-$150,000.

Minn., St. Cloud—HOSPITAL—July 14 (extended date), by Sisters of St. Benedict, St. Cloud, 6 story, basement and sub-basement, rein.-con., brick and stone hospital and power house. $400,000. Schmidt, Garden & Erikson, 104 South Michigan Ave., Chicago, Ill., archts. Noted June 3.

Neb., Omaha — THEATRE, etc. — See "Contracts Awarded."

Mo., Kansas City — APARTMENT HOTELS—See "Contracts Awarded."

Tex., San Antonio—HOTEL—Syndicate taking bids 12 story, 200 room, rein.-con. and brick, plain foundation, Woodlawn Bldg., Terrace on Donaldson Ave. G. Willis, c/o Builders Exch. Bldg., archt.

Ore., Portland—APARTMENT—July 20, by J. H. Grant, archt., Bd. of Trade, 5 story, 100 x 100 ft., rein.-con. and brick, West Park and Harrison Sts., for H. Mittleman, 475 Schuyler St. $400,000.

Calif., Oakland—WAREHOUSE—Roeth, Couch & Rosenwald, engrs., 1404 Franklin St., taking bids 4 story and basement, rein.-con., 4th and Alice Sts., for Carr & Creston, c/o engineers. $150,000. Noted June 17.

Contracts Awarded

Me., Auburn — HOME — Odd Fellows Home, 2 story and basement, brick and stone, Fairview Ave., to Naugler Bros., Brunswick. Archts. est. $150,000.

Me., Lewiston—HOME—St. Marys Hospital, Society of Sisters of Charity, 2 story and basement, brick and stone, to Pelletier & Rivard, 96 Shawmut St. Archts. est. $300,000.

Me., Portland—STORE and OFFICE—L. Kamber, 225 Middle St., 5 story and basement, brick, Center and Congress Sts., to F. A. Rumery Co., 537 Congress St. Archts. est. to exceed $150,000. Noted June 17.

Mass., Belmont (br. Boston)—WARD—McLean Hospital, two 2 story brick ward buildings, Waverly Dist., to L. R. Porter, 6 New Derby St., Salem. Archts. est. $150,000.

Mass., Haverhill—STORE and OFFICE—F. E. and J. E. Tucker, 168 Merrimack St., 3 story and basement, brick, to Z. A. Houle, Central Blk., Lowell. Archts. est. $150,000.

Mass., Lynn—APARTMENT—J. and D. Gordan, 10 Fortesque Terrace, will build 3 story and basement, 70 x 115 ft., brick, Estes St. $150,000. Work will be done by separate contracts. Porter & Taylor, 73 Tremont St., Boston, archts.

Mass., Pittsfield — OFFICE — Berkshire Life Insurance Co., West St., 4 story (ultimately 9 story) and basement, brick, steel and granite, to J. H. Hampson & Co., Pittsfield. Archts. est. $300,000. Noted Feb. 18.

R. I., Pawtucket — FACTORY — Arbeka Webbing Co., North Main St., 1 story, 80 x 100 ft., brick addition, to H. M. Soule, 110 Brook St. Archts. est. $40,000.

Conn., Greenwich — HOSPITAL — St. Luke's Hospital 3 story and basement, 145 x 200 ft., brick, stone, and steel, to Dall, Hayden & Treat, Inc., 70 East 45th St. Archts. est. $900,000. Noted June 3.

N. Y., Albany—BANK—Central Bank of Albany, 1 and ½ story, 80 x 100 ft., concrete, steel and stone, plain foundation, Central Ave. and Quail St., to J. P. Sewell, 373 Hudson Ave. Archts. est. $150,000.

N. Y., Albany—HOTEL—J. and F. Carlson, Springfield, Mass., will build 15 story, 112 x 148 ft. hotel, Maiden Lane and Bway., here. Work will be done by separate contracts.

N. Y., New York—APARTMENT—Saul Constr. Co., c/o H. I. Feldman, engr. and archt., 415 Lexington Ave., will build 5 story, brick, steel and stone, plain foundation, East 239th St., by day labor. $300,000.

N. Y., New York—APARTMENT—W. Miller, c/o A. E. Schaefer, engr. and archt., 645 East Tremont Ave., will build 6 story, brick, steel and stone, plain foundation, Johnson Ave., by day labor. $500,000.

N. Y., New York—APARTMENTS—P. Minskoff, c/o Springsteen & Goldhammer, engrs. and archts., 32 Union Sq., will build two 6 story, brick, steel and stone, plain foundations, Jessup Ave., by day labor. $400,000 each.

N. Y., New York — APARTMENT — W. Minskoff, c/o Springsteen & Goldhammer, engrs. and archits., 32 Union Sq., will build 8 story, brick, steel and stone, plain foundation, Baily Ave., by day labor. $350,000.

N. Y., New York—LOFT—King-Charlton Co., Inc., c/o Renwick, Aspinwall & Gerard, engrs. and archts., 8 West 40th St., rein.-con. and steel, plain foundation, Charlton St., to Turner Constr. Co., 244 Madison Ave. Archts. est. $600,000.

Pa., Allentown—HOTEL—A. Pebruch & A. Gomery, 10 story, mezzanine and basement, 91 x 229 ft., rein.-con., brick and steel, plain foundation, Hamilton and 6th Sts., to Roberts & Roller, 1700 Walnut St., Phila. Archts. est. $1,250,000. Noted May 18.

Pa., Phila. — APARTMENT — Owner (name withheld), 4 story and basement 158 x 208 ft., rein.-con., brick and steel, plain foundation, Roosevelt Blvd. and Rising Sun Ave., to W. W. Anstine, Frankford Ave. and Oxford St. Archts. est. $300,000.

Pa., Pittsburgh—MAUSOLEUM—United Cemeteries, Cemetery Lane, Ross Twp., Allegheny Co., 1 story, 74 x 190 ft., granite and marble mausoleum, near West View, to U. S. Mausoleum Co., 404 Chamber of Commerce Bldg. Archts. est. $350,000.

Pa., Scranton — Platt Woolworth Home for Girls, 3 story Y.W.C.A. addition to M. C. Tuttle Co., Park Square Bldg., Boston, Mass. Noted Jan. 21.

Md., Baltimore — THEATRE and BOWLING ALLEYS—F. H. Durkee, Gay and Wolfe Sts., 2 story, 125 x 125 ft., rein.-con., brick and steel, plain foundation, Monument and Castle Sts., to H. L. Maas & Son, Munsey Bldg., $175,000. Noted July 8.

Md., Baltimore — WAREHOUSE—Sharp & Dohme, Howard and Pratt Sts., 2, 6 and 7 story, irregular shaped, rein.-con., brick and steel, plain foundation West Pratt and Dover Sts., to Tase, Norris & Co., 903 Cathedral St. Archts. est. $175,000.

Va., Roanoke—STORE—Hancock Clay Co., Inc., 4 story, 54 x 130 ft., fireproof, Franklin St., to D. J. Shipps. Archts. est. $150,000.

N. C., Greensboro—OFFICE and STORE—Richardson Realty Co., 5 story and basement, 75 x 140 ft. brick, concrete, terra cotta and steel, to Angle-Blackford Co., Greensboro, $250,000. Noted May 27.

Ala., Birmingham—HOTEL—E. E. McDavid, Sr., 1st Natl. Bank Bldg., 4 story and basement, 96 x 100 ft., brick, steel and terra cotta, 4th Ave. and 24th St., to E. Cline, 1800 6th Ave., $250,000.

O., Akron—GARAGE—W. F. Peters, dir. Pub. Serv., 1 and 2 story, 156 x 280 ft., brick and steel, plain foundation, Johnston St., to Carmichael Constr. Co., 522 Central Savings & Trust Bldg., $173,660.

O., Cleveland—HOSPITAL—St. Lukes Hospital, c/o A. H. Van Gorder, chn. building com., 1370 West 9th St., 5 story and basement, approximately 300 x 400 ft., brick, steel and concrete, East 116th St. and Shaker Blvd., to Lundoff-Bicknell Co., B. F. Keith Bldg. Archts. est. $2,000,000. Noted Dec. 3.

O., Cleveland — STORE and OFFICE — The "241" Co., c/o O. P. and M. J. Van Sweringen, Marshall Bldg., 8 story, 74 x 125 ft., steel and rein.-con., 241 Euclid Ave., to G. A. Rutherford Co., 2725 Prospect Ave. Archts. est. $250,000.

O., Cleveland—STORAGE—Willard Storage Battery Co., c/o P. H. Voth, constr. mgr., East 131st St., 3 story and basement, 64 x 122 ft., acid storage building, brick and rein.-con., East 131st St., to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $150,000.

Ind., Lafayette — ARMORY — Indiana Natl. Guard, W. H. Kershner, adj. genl., State House, Indianapolis, general contract brick, steel, rein.-con. and stone to Ostrom Realty & Constr. Co., 1541 North Capitol St. Archts. est. $150,000. Noted Apr. 22.

Ind., South Bend — OFFICE — Standard Oil Co., 604 South Scott St., general contract 3 story and basement, 55 x 115 ft., brick and steel to H. G. Christman Co., Notre Dame. Archts. est. $150,000.

Ill., Chicago—APARTMENT—M. J. Hoffman, 1039 Hollywood Ave., masonry and carpentry contract 7 story, 80 x 127 ft., to Erickson & Magnusson, 4753 Bway. Archts. est. $700,000. Noted May 20.

Ill., Chicago — APARTMENT — E. W. Howe, 1523 Estes St., general contract 3 story and basement, 42 x 144 ft., brick and terra cotta, to M. Kay, 1322 Winnemac Ave. Archts. est. $150,000.

Ill., Chicago—OFFICE—D. H. Burnham & Co., archts., 160 North La Salle St., general contract 16 story and 2 sub-basements, 76 x 170 ft., Wabash Ave. and Monroe St., to G. A. Fuller & Co., 140 South Dearborn St., for Wabash-Monroe Building Corp., E. A. Jackson, pres., 608 South Dearborn St. Total $3,000,000.

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Buildings—Commercial (Continued)

Wis., Racine—THEATRE and STORE—Rialto Amusement Co., 517 Main St., 4 story and basement, 80 x 145 ft., brick, terra cotta and concrete, plain foundation, Main St., to G. H. Gottschalk Co., 111 West Washington Ave., Chicago, Ill. Archts. est. $500,000. Noted Jan. 28.

Ia., Des Moines—STORE—Globe Clothing Co., 6 story and basement, 88 x 132 ft., rein.-con. and brick, 4th and Walnut Sts. to A. H. Neumann & Co., 519 Hubbell Bldg. Noted July 1.

Minn., Mankato—HOSPITAL—Sisters of the Sorrowful Mother, c/o St. Josephs Hospital, Marshfield, 4 story and basement, 46 x 120 ft., brick and concrete addition, plain foundation, here, to Hutter Constr. Co., 128 Western Ave., Fond du Lac, $200,000, cost plus percentage basis.

Neb., Omaha—CLUB HOUSE—Omaha Country Club, 1½ story and basement, 60 x 250 ft. clubhouse, here, to J. Lofs Sons, 1818 Harney St., $150,000.

Neb., Omaha—THEATRE, etc.—Metcalfe Co., 201½ South 19th St., will build 1 story and basement, 100 x 550 ft., stucco, and terra cotta theatre, 1,000 seating capacity, incl. stores, filling station and garage, by day labor. $200,000. B. Kevnild, 439 Bankers Reserve Life Bldg., archt.

Mo., Kansas City — APARTMENT HOTELS—McCanles Building Co., Victor Bldg., will build two 7 story and basement, 65 x 130 ft., rein.-con. apartment hotels, plain foundation, Main St., by day labor. $500,000 each. R. F. Gornall, 3619 Bway., archt.

Mo., St. Louis—HOSPITAL—Lutheran Hospital, Ohio and Potomac Sts., 4 story and basement, 40 x 100 ft., rein.-con., brick and stone addition, to Kellermann Contg. Co., Victoria Bldg. Archts. est. $235,000. Noted Apr. 1.

Tex., San Antonio—HOTEL—Chamberlain Hotels, Inc., Baltimore, Md., 8 story, basement and roof garden, rein.-con. and stucco, incl. 200 car garage, swimming pool, etc., Wilson Blvd. between Donaldson and Fredericksburg Rds., to H. N. Jones Constr. Co., 804 Ave. N, $1,310,000.

Wash., Seattle—BANK—C. Linde, archt., Seaboard Bldg., 2 story and basement, 60 x 112 ft., rein.-con., steel, granite and terra cotta, 1414 4th Ave., to Western Constr. Co., Seaboard Bldg., for Puget Sound Savings & Loan Assn., 300 Pike St. Archts. est. $400,000. Noted Feb. 26.

Calif., Los Angeles—APARTMENT—I. Carpenter, 4 story and basement, 99 x 140 ft., brick Franklin Ave., to L. T. Mayo, 531 Black Bldg., approximately $200,000.

Calif., Los Angeles—APARTMENT—H. O. Triplett, 1767 North Las Palmas Ave., will build 4 story, 60 x 163 ft. apartment, 1607 North Sycamore Ave., by day labor. $160,000. L. D. Carter, 975 Serrano Ave., archt.

Calif., Los Angeles—APARTMENT—H. Balsam & M. Stark, 700 South La Brea Ave., 5 story, 90 x 137 ft., stone and stucco, 3333 West 4th St., to H. Balsam, Los Angeles. Archts. est. $350,000.

Calif., Los Angeles—BATH HOUSE and STORE—W. G. English, Chapman Bldg., 2 story and basement, 135 x 215 ft., brick, Sunset Blvd., to Klinglesmith Constr. Co., Van Nuys, $150,000 or more. Noted May 6.

Calif., Los Angeles—HOSPITAL—Hollywood Hospital, 1322 North Vermont Ave., 6 story, 42 x 193 ft., rein.-con. addition, to Meyer & Holler, Wright & Callender Bldg. Archts. est. $400,000.

Calif., San Francisco—APARTMENT—Hammill & Hall, Inc., 6242 Geary St., 10 story, basement and sub-basement, steel and rein.-con., Jackson and Steiner Sts., to Clinton Constr. Co., 923 Folsom St., $500,000. Noted Feb. 4.

Calif., San Leandro—OFFICE and SHOW ROOM—Caterpillar Tractor Co., Davis and Martinez Sts., 1 story, brick and concrete, to Stockholm & Son, Hearst Bldg., San Francisco. Archts. est. $150,000.

Buildings—Industrial

Proposed Work

Mass., Dorchester (Boston P. O.)—FACTORY—M. Galaid, 6 Walnut Ave., Revere, having sketches made by Schein & Levine, 448 Bway., Chelsea, 1 story, 10,000 sq.ft. floor space, rein.-con. and brick, Norfolk and Whitten Sts., here. $40,000.

N. J., Hoboken—GLASS MANUFACTURING PLANT, etc.—Cooper Hewitt Electric Co., 9 River St., having plans prepared 6 story, 100 x 430 ft. glass manufacturing and shipping plant, Adams and 8th Sts. Lockwood, Greene & Co., Pershing Sq., New York City, engrs.

N. J., Jersey City—GARAGE—Owner, c/o T. Paterson, Jr., engr. and archt., 1 Madison Ave., New York City, having plans prepared 2 story, rein.-con., brick and steel, plain foundation, Montgomery St., here. $50,000.

Pa., Pittsburgh — BAKING PLANT — Stoecklein Bros. Baking Co., Spencer St., and McCormick Co., archts., South Negley Ave. soon lets contract 1 and 2 story and basement, irregular shaped, brick, concrete and steel, Spencer St. $75,000.

Pa., State College—BAKING PLANT—Harrison Bros. having plans prepared by P. B. Kapp, 2 story and basement, 60 x 100 ft., brick, hollow tile and steel baking plant. $40,000.

Ga., Cedartown—FACTORY and WAREHOUSE—Lockwood, Green & Co., Inc., 1 Pershing Sq., New York City, N. Y. soon lets contract 2 story, 150 x 500 ft., and 150 x 150 ft. factory buildings, and 60 x 100 ft. warehouse, all rein.-con., brick and steel, here, for Goodyear Tire & Rubber Co., East Market St., Akron, O.

N. C., Durham — POWER HOUSE — Liggett & Myers Tobacco Co., soon takes bids new power plant. $200,000.

N. C., Waterville—POWER HOUSE—See "Unclassified."

Ala., Birmingham—REPAIR SHOPS—Voted $250,000 bonds, new city repair shops at 19th St. and Avenue D.

Miss., Columbus—ICE FACTORY—Polar Ice Co. and Mississippi Power Co. plan rebuilding ice plant, recently destroyed by fire. $60,000.

Miss., Natchez — MILL — Caddo-DeSoto Oil Mills Co., M. C. Stockbridge, Shreveport, La., having preliminary plans prepared cotton oil mill. $250,000. Private plans.

Tenn., Lewisburg — PLANT — Bordens Milk Co., 110 Hudson St., New York City, N. Y., plans milk condensing plant, here. $300,000.

O., Cleveland — FACTORY — Acme Mfg. Co., H. Kronenberger, pres., 2114 Woodland Ave., having plans prepared by A. Sogg, 3030 Euclid Ave., 2 story and basement, 54 x 170 ft., brick and rein.-con. Crang Ave. $75,000.

O., East Liverpool—FACTORY—S. C. Williams Co. soon takes bids rebuilding 1 story, 60 x 192 ft. factory, near Jackson St., recently destroyed by fire.

O., Piqua—GARAGE—Dept. Highways & Pub. Wks., Columbus, G. F. Schlesinger, dir., having sketches made by H. B. Briggs, Ohio-Hartman Bldg., Columbus, 1 story, 80 x 120 ft., brick and rein.-con. garage, here. $50,000.

Ind., Lafayette — STORAGE — Sherman-Lange Co. having plans prepared by F. Riedel, Lafayette, 1 story, 66 x 127 ft., brick and steel storage building. $40,000.

Mich., Detroit — DRY CLEANING PLANT — Paris Cleaners & Dyers, 4846 Grand River Ave., had plans prepared by G. F. Cordner, 415 Brainard St., 1 story and part basement, 101 x 130 ft., brick and steel, plain foundation, Warren Ave. $50,000.

Ill., Highland—POWER PLANT—City soon takes bids new generating unit, one 600 kw. or two 300 kw. condensing apparatus, coal elevating equipment, etc. $50,000. W. A. Fuller, 1917 Railway Exch. Bldg., St. Louis, Mo., engrs.

Wis., Merrill—PLANT—Merrill Excelsior Co. plans rebuilding 2 story, 60 x 150 ft., rein.-con. and timber plant, plain foundation, recently destroyed by fire. Engineer and architect not selected.

Okla., Grandfield — BATTERY CRACKING PLANT—Bell Oil Co. made preliminary plans new 6 battery cracking plant. $50,000. T. O. Runyan, Grandfield, engr.

Wash., Seattle—SERVICE—Puget Sound Power & Light Co., Stuart Bldg., takes bids about July 7, 1 story and basement, 150 x 300 ft., rein.-con. and steel, 8th and Roy Sts. $200,000. J. Graham, Dexter Horton Bldg., archt.

Calif., Fresno—PLANT—L. H. Davis & Co., San Benito and H Sts., plans 1 story, 60 x 228 ft., date and fig packing plant, brick and concrete.

Calif., Long Beach—GAS PLANT—City, making plans gas plant, approximately 5,000,000 cu.ft. daily capacity. To exceed $150,000. City Eng. Dept. engrs.

Calif., Stockton—FACTORY—California Cedar Products Co., P. O. Box 451, W. B. Thurman, pres., plans rebuilding planing mill, Gordon Highway, recently destroyed by fire. $200,000 or more.

Calif., Vallejo—PLANT—California Textile Co., c/o M. H. Merrill Co., engr., 1 Drumm St., San Francisco, plans fireproof textile plant. To exceed $500,000.

B. C., Fernie — AUXILIARY STEAM PLANT—East Kootenay Power Co., A. B. Sanborn, genl. mgr., having plans prepared 5,000 kw. capacity auxiliary steam plant. $1,000,000. Private plans.

POWER PLANT—ADA, MICH.

Bids were opened by Spooner & Merrill, Consultg. Engrs., Powers Theatre Bldg., Grand Rapids, representing Public Service Engineering Co. of Chicago, for constructing hydro-electric plant on Thornapple River, (A) Price Bros. Co., 45 Davies St., Dayton, O., (awarded contract); (B) R. E. Townsend Corp., Ann Arbor; (C) Lyons Construction Co., Grand Rapids; (D) Peninsular Construction Co., Grand Rapids; (E) Bates & Rogers Construction Co., Chicago. The bids are as follows:

	A	B	C	D	E
Cofferdams (lump sum)	$12,000.00	$10,000.00	$4,000.00	$10,000.00	$18,470.00
Taking care of water (lump sum)	7,000.00	7,000.00	3,000.00	5,000.00	16,225.00
Clearing (lump sum)	200.00	300.00	2,500.00	1,000.00	
2,080 cu.yd. grubbing	1,248.00	1,144.00	2,080.00	2,080.00	3,224.00
10,900 cu.yd. excavation dry	6,540.00	10,900.00	6,540.00	8,720.00	9,810.00
13,300 cu.yd. excavation wet	18,620.00	23,275.00	23,275.00	13,300.00	58,520.00
600 Lin.ft. borings	900.00	750.00	900.00	750.00	750.00
6,000 Lin.ft. piling, furnishing	1,800.00	1,320.00	1,500.00	2,100.00	1,440.00
300 piles, driving	2,700.00	3,000.00	3,000.00	4,500.00	3,450.00
600 sq.ft. wood sheet piling	390.00	450.00	300.00	504.00	600.00
3,800 sq.ft. steel sheet piling	6,840.00	6,460.00	5,700.00	8,550.00	6,080.00
34,400 cu.yd. earth fill	15,480.00	20,640.00	24,080.00	27,520.00	21,672.00
0.96 acre seeding and planting	192.00	192.00	96.00	25.00	302.40
110 Lin.ft. tile drain	66.00	55.00	55.00	82.50	60.50
280 Lin.ft. stone and gravel drain	98.00	140.00	140.00	210.00	70.00
90 sq.yd. stone paving	180.00	135.00	180.00	135.00	189.00
3,711 cu.yd. concrete	47,315.25	47,500.80	68,096.85	66,798.00	43,047.30
78,045 sq.ft. straight formwork	23,413.50	21,852.60	11,706.75	19,511.25	23,413.50
10,830 sq.ft. curved formwork	3,790.00	3,249.00	2,707.50	3,249.00	5,415.00
3,035 sq.ft. insert formwork	1,214.00	1,214.00	758.75	1,062.25	1,122.95
301,400 lb. reinforcing steel	15,070.00	15,070.00	16,577.00	18,084.00	15,070.00
117,000 lb. iron and steel class "A"	9,360.00	7,605.00	9,360.00	11,700.00	14,040.00
Tainter gate hoist (lump sum)	2,200.00	2,150.00	2,200.00	2,160.00	2,500.00
Sluice gates (lump sum)	1,800.00	1,950.00	2,000.00	1,920.00	2,250.00
1,800 lb. sheet copper	630.00	594.00	540.00	900.00	1,044.00
22.5 M face brick	1,575.00	1,575.00	1,575.00	1,687.50	2,092.50
22.5 M sand lime brick	1,125.00	1,080.00	1,350.00	675.00	1,485.00
25.0 M common brick	1,125.00	1,000.00	1,250.00	750.00	1,575.00
290 cu.ft. stone trim	870.00	725.00	1,160.00	725.00	1,740.00
12 square roofing	780.00	900.00	1,800.00	600.00	744.00
4 M. ft.B.M. carpentry and millwork Class "A"	600.00	560.00	800.00	500.00	360.00
Lump carpentry and millwork class "B" (lump sum)	300.00	400.00	300.00	300.00	190.00
859 sq.ft. steel sash	430.00	343.60	300.65	429.50	515.40
440 light glazing	220.00	264.00	660.00	330.00	374.00
150 lin.ft. pipe railing	375.00	375.00	400.00	375.00	420.00
150 ton erecting machinery	5,250.00	4,800.00	4,500.00	1,800.00	1,800.00
Placing conduit (lump sum)	100.00	250.00	100.00	1,000.00	567.00
1,120 sq.yd. painting steel	280.00	448.00	448.00	336.00	504.00
Painting building (lump sum)	450.00	350.00	300.00	500.00	375.00
Plumbing (lump sum)	250.00	300.00	150.00	300.00	160.00
Extended totals	$192,777	$200,317	$206,387	$220,169	$261,468

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Buildings—Industrial (Continued)

Bids Desired

Mass., Lynn — REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Mass., Jamaica Plain (Boston P. O.)—FACTORY—E. R. B. Chapman, archt., 53 State St., Boston, taking bids altering 3 story, brick, here, for D. W. Dunn Warehouse Co., 3175 Washington St.

Mass., Watertown—FACTORY—Bon Ton Carpet Cleaning Co., 55 Holland St., taking bids 2 story, 40 x 100 ft., rein.-con. and brick, Holland St. $40,000. Private plans.

N. Y., New York — GYPSUM PLANT — See "Contracts Awarded."

N. J., Harrison — WAREHOUSE — See "Contracts Awarded."

Pa., Allentown—SERVICE—July 9, by D. A. Miller, secy. Allentown Hospital Assn., 17th and Chew Sts., 3 and 4 story and basement, 50 x 83 ft., rein.-con., brick and steel, 17th and Chew Sts. Ruhe & Lange, 10 North 6th St., archts.

Pa., Evans City — BOILER HOUSE and WARE HOUSE—See "Contracts Awarded."

W. Va., Clarksburg—DAIRY PLANT—E. J. Wood & Son, archts., Clarksburg, taking bids 2 story and basement, 50 x 70 ft. dairy plant, concrete, brick and steel, for Clarksburg Dairy Co. $40,000.

O., Akron—HEATING PLANT—July 12, by Bd. Comrs. Summit Co., altering heating plant, installing steam boiler, new radial brick extension to chimney, 2 circular pumps, for County Childrens Home, South Wilingham St. G. S. Rider Co., Century Bldg., Cleveland, archts. and engrs.

O., Columbus—SHOP and GARAGE—July 13, by W. H. Duffy, dir. Pub. Serv., 2 story, 80 x 180 ft., waterworks shop and garage, brick, steel and concrete, for Water Works Dept. $110,000. C. B. Hoover, 305 East Broad St., engr. Noted July 1.

Ind., Anderson — STORAGE — Anderson Oil Co. taking bids 3 story, 70 x 145 ft., brick and steel storage building. $75,000. E. F. Miller, Anderson, archt.

Ind., Ft. Wayne — FACTORY — Pigeon Millinery Co., taking bids 3 story and basement, 55 x 140 ft., brick and steel factory. $75,000. G. Ohmart, 216 Utility Bldg., archt.

Ind., Indianapolis — PLANT — S. G. Wadley, 335 West North St., taking bids 3 story, 50 x 60 ft., brick, steel and rein.-con. plant. $55,000. W. H. Albersmeier, 508 Rauk Bldg., archt.

Ind., Newcastle—FACTORY—See "Contracts Awarded."

Mich., Dearborn — GYPSUM PLANT — See "Contracts Awarded."

Ill., Wheaton—PRINTING PLANT—See "Buildings—Commercial."

Wis., Mauston — HYDRO-ELECTRIC POWER PLANT — See "Contracts Awarded."

Wis., Stevens Point — COLD STORAGE and WAREHOUSE — See "Contracts Awarded."

Wis., Stoughton — BOILER, HEATING PLANT, etc.—Low & Low, archts., 1st Central Bldg., Madison, taking bids 1 story and basement, 40 x 50 ft., rein.-con., brick and steel boiler, heating plant and laundry, here, for Martin Luthers Home, N. A. Stubkjoer, supt. $40,000.

Okla., Tulsa—CHEMICAL PLANT—See "Contracts Awarded."

Calif., Los Angeles—AUTO and REPAIR SHOPS — Los Angeles Ry. Co., Railway Bldg., taking bids 1 and 2 story, 100 x 300 ft., rein.-con. and brick, East 15th St.

Calif., Redwood City—SUB-STATION—Eng. Dept. Pacific Gas & Electric Co., 245 Market St., San Francisco, taking bids rein.-con., steel and galvanized iron substation, Chestnut St., here. To exceed $50,000. Noted Jan. 12.

Calif., Richmond—WAREHOUSE, etc.—See "Contracts Awarded."

Contracts Awarded

Me., Great Works—FACTORY—Penobscot Chemical Fibre Co., 1 story, 60 x 185 ft., brick, to M. C. Tuttle Co., Park Sq. Bldg., Boston, Mass. Archts. est. $40,000.

Mass., Boston—REPAIR and SERVICE GARAGE—Dedham & Hyde Park Gas & Electric Co., B. J. Bean, mgr., 1 story, rein.-con. and brick, to C. A. Zappe, Inc., 5 Lincoln Ave., Dedham. Archts. est. $40,000.

Mass., Boston — FACTORY — Mason & Hamlin Co., 560 Harrison Ave., altering and constructing 3 story, brick addition, Harrison Ave., to Mitchel & Sutherland, Inc., 18 Tremont St., Boston. Archts. est. $40,000.

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Mass., Brighton (Boston P. O.)—REPAIR and SERVICE GARAGE — Mack Motor Truck Co., 75 North Beacon St., 2 story, 40,000 sq.ft. floor space, brick addition, to Scully Co., 118 1st St., East Cambridge. Archts. est. $160,000. Noted June 10.

Mass., Cambridge (br. Boston)—SALESROOM and REPAIR SHOP — Washington Auto Trust, D. M. Robb, 1800 Massachusetts Ave., 1 story and basement, brick and stone, 1771 Massachusetts Ave., to Arlington Constr. Co., 313 Bway. Archts. est. $40,000. Noted July 1.

Mass., Everett (Boston P. O.)—FACTORY — Mustone Products Corp., Union City, N. J., 1 and 2 story, brick, Tremont St., to F. C. Fellows & Son, 47 High St., Boston. Archts. est. $40,000.

Mass., Holyoke—SHOWROOM and REPAIR GARAGE—W. G. Mengel, 33 Railroad St., 1 story, brick, Elm St., to Casper Ranger Constr. Co., 20 Bond St. Archts. est. $59,000.

Mass., Lynn—REPAIR and SERVICE GARAGE—M. Galiad, 540 Beach St., will build 1 story, 85 x 220 ft., brick, 234 Chestnut St. $70,000. Work will be done by separate contracts. E. Earp, 333 Union St., archt. Noted June 3.

Mass., Walpole—STORAGE—Lewis Mfg. Co., 53 West St., 6 story, 60 x 80 ft., rein.-con., to W. T. Reed Co., 201 Devonshire St., Boston. Archts. est. $150,000.

Conn., Danbury — SERVICE — Packard Motors Co., 170 Cannon St., Bridgeport, 1 story, 60 x 150 ft., brick and steel, to T. J. Pardy Constr. Co., 1481 Seaview St. Archts. est. $50,000.

Conn., Hartford — FACTORY — Royal Typewriter Co., 150 New Park Ave., 2 story, brick addition, to Lawrence & Coe Constr. Co., 43 Farmington St. Archts. est. $150,000. Noted June 24.

Conn., Westport — BOILER HOUSE — Westport Sanitarium, F. D. Ruland, doctor, 1 story, 35 x 70 ft., brick boiler house, to M. J. Riordan, Hoyt St., Norwalk. Archts. est. $50,000. Noted June 10.

N. Y., New York—GYPSUM PLANT—United States Gypsum Co., 205 West Monroe St., Chicago, Ill., will build 1 story, 56 x 240 ft., steel and concrete 135th St. and East River, here, by day labor. Private plans.

N. J., Harrison—WAREHOUSE—United States Gypsum Co., 205 West Monroe St., Chicago, Ill., will build 1 story, 56 x 208 ft., steel and cement Sussex St. on Passaic River, here, by day labor. Private plans.

Pa. Evans City — BOILER HOUSE and WAREHOUSE—Elliott Nursery Co., Magee Bldg., Pittsburgh, will build boiler house and warehouse, here, by day labor. $40,000. J. H. Phillips, Wabash Bldg., Pittsburgh, archt.

Pa., Meadville — ICE CREAM PLANT — Moore Bros., general contract 1 and 2 story and basement, 55 x 125 ft., brick, concrete and steel, to L. O. Boquin, Oil City. Archts. est. $75,000. Noted Apr. 8.

Pa., Oakmont—DAIRY PLANT—W. A. Crusan, 369 Penn Ave., 1 story, 60 x 105 ft., brick, hollow tile and steel, Penn Ave., to W. Mortimer, 315 8th St. Archts. est. $40,000.

Pa., Phila. — MILL — Olympia Hosiery Mills, Inc., 1 story and basement, 40 x 100 ft., rein.-con., brick and steel, plain foundation, Venango and Weikel Sts., to J. Cichiny, 743 Corinthian St.

Va., Covington—FACTORY—Bates Valve Bag Co., 8240 South Chicago St., Chicago St., Chicago, Ill., 1 story, 80 x 240 ft. structural steel, to M. C. Tuttle Co., Park Sq. Bldg., Boston, Mass. Engrs. est. to exceed $40,000.

La., Lake Charles—CELLULOSE PLANT—Massasoit Mfg. Co., Fall River, Mass., 5 unit cellulose plant, here, to P. Oliver & Son, Inc., Lake Charles, on cost plus percentage basis. Noted June 17.

Ind., Indianapolis—CREAMERY—Sugar Creek Creamery Co., 337 West New York St., general contract 2 story, 65 x 1,000 ft., brick and steel, to Ostrom Realty & Constr. Co., 1541 North Capitol St. Archts. est. $60,000.

Ind., Newcastle — FACTORY — Hoosier Kitchen Cabinet Co. will build 3 story, brick and steel factory. Work will be done by separate contracts. Steel contract for above, to Pan Amer. Bridge Co., Newcastle. Private plans.

Ind., New Haven — FACTORY — New Haven Silk Hosiery Co., general contract 2 story and basement, 50 x 102 ft., brick and steel factory, to Rump-Kintz Co., 210 Medical Arts Bldg., Ft. Wayne. Archts. est. $60,000.

Ind., South Bend—FACTORY—Poladar Bros., general contract factory, to R. Sollitt & Sons Co., 303 Sherland Bldg. Archts. est. $55,000.

Mich., Dearborn — GYPSUM PLANT — United States Gypsum Co., 205 West Monroe St., Chicago, Ill., will build gypsum calcining plant on 7 acre site, River Rouge, here; also addition to plant, at Southard, Okla., by day labor. Private plans.

Ill., Abingdon — FACTORY — Abingdon Sanitary Mfg. Co., general contract six 1 story, 50 x 600 ft., and 100 x 600 ft., concrete and steel buildings, to Bohar, Bunlexy Constr. Co., Abingdon. $650,000.

Ill., Chicago—FACTORY—Appleton Electric Co., 1706 Wellington Ave., masonry and concrete contract 4 story and basement, 70 x 300 ft., rein.-con., brick and stone addition, to A. Lindstrom, 77 West Washington St.

Ill., Chicago — FACTORY — A. Epstein, archt., 2001 West Pershing Rd., masonry and carpentry contract 2 story, 50 x 160 ft., brick and terra cotta, 37th and Iron Sts., to E. W. Sproul Co., 2001 West Pershing Rd., for Chicago Pneumatic Tool Co., 572 West Randolph St. Noted June 3.

Wis., Mauston — HYDRO-ELECTRIC POWER PLANT—R. H. Davis & Son, will build rein.-con. hydro-electric power plant, incl. 20 x 40 ft. flume, 30 ft. high, on Lemonweir River, here, by day labor. Work will be done by separate contracts. $40,000. L. A. DeGuere, Mead-Witter Blk., Wisconsin Rapids, engrs.

Wis., Milwaukee—POWER HOUSE—Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., 3 story, 45 x 54 ft., brick, steel and concrete addition, plain foundation, Edison St., to Dahlman Constr. Co., 456 Bway. Engrs. est. $40,000.

Wis., Stevens Point—COLD STORAGE and WAREHOUSE—A. L. Shafton & Co., South 2nd St., will build 2 story and basement, 60 x 124 ft., brick and timber, by day labor. $50,000.

Wis., Two Rivers — STEEL PLANT — Hamilton Mfg. Co., Two Rivers, 1 and 3 story, 65 x 125 ft., and 70 x 150 ft., brick and steel addition, to Immel Constr. Co., Dana Bldg., Fond du Lac. Engrs. est. $80,000.

Ia., Dubuque—WAREHOUSE and COMPOUNDING PLANT—Rainbow Oil Co., L. Dax, mgr., 2 story and basement, 40 x 100 ft., rein.-con., brick and steel, plain foundation, to A. Zwack, 1301 Central Ave. Engrs. est. $40,000.

Mo., St. Louis—CAR PLANT—St. Louis Car Co., 800 North Bway., general contract, main building 1 story, 130 x 1,000 ft., steel and concrete addition, concrete foundation, and Building 2, 60 x 100 ft., incl. 250 ft. crane runway, steel yard with 10 ton, 60 ft. crane, etc., to Raterman Building & Contg. Co., 1943 St. Louis Ave.; and steel work, to Mississippi Valley Structural Steel Co., Arcade Bldg.

Ark., Hot Springs — BOTTLING PLANT—Coca Cola Bottling Co., (V. M. Lyell, owner), 2 story and basement, 50 x 120 ft., concrete, brick, steel and terra cotta, Market St., to G. H. Burden, Moore & Turner Bldg., Little Rock. Archts. est. $75,000.

Tex., Ft. Worth—MILL—Kimball Milling Co., c/o president, 1800 South Main St., mill addition, to Jones-Hettelsater & Co., Mutual Bldg., Kansas City, Mo., $55,000 cost plus percentage basis.

Okla., Tulsa — CHEMICAL PLANT — Ozark Chemical Co., P. Kelley, mgr., will build plant addition by day labor. Approximately $400,000. Private plans.

Ore., Salem — LINEN MILLS — Oregon Linen Mills, Inc., E. M. Page, pres., 1 story, 150 x 250 ft. mill, and 75 x 100 ft. wing, rein.-con., to Bulgin & Bulgin, Salem, $47,000. Noted Sept. 17.

Calif., Fresno—PLANT—Danish Creamery Assn., Inyo and E Sts., milk plant, rein.-con. and brick, Inyo and E Sts., to Shorb & Neads, 1131 Forthcamp St., $45,990. Noted Mar. 4.

Calif., Richmond — FACTORY—Republic Steel Package Co., Chesley Ave., 1 story, concrete, Chesley Ave., to Miner Co., 2232 Macdonald Ave., $45,000.

Calif., Richmond—WAREHOUSE, etc.—Duncanson-Harrelson Co., De Young Bldg., San Francisco, will build frame and corrugated iron warehouse, shipways, shops, etc., by day labor. $75,000.

Calif., San Pablo — PLANT — Standard Sanitary Mfg. Co., 10th and Brannan Sts., 350 x 1,250 ft. pottery plant, brick, steel and concrete, to P. J. Walker Co., Sharon Bldg., San Francisco, $500,000.

Ont., Cornwall — SODA PULP MILL — Canadian Cellulose Co. Ltd., soda pulp mill, to Belmont Co. Ltd., 37 Belmont St., Montreal, Que., approximately $100,000.

Buildings—Educational, Religious

Proposed Work

Me., Rumford — CHURCH — St. John's Church, F. J. Boivin, pastor, soon lets contract 1 story and basement, brick and stone church. $150,000. Rogers & Dion, 142 Berkeley St., Boston, archts. Noted July 1.

N. H., Wolfboro—GYMNASIUM and AUDITORIUM—Brewster Academy c/o Dow, Harlow & Kimball, archts., 184 Boylston St., Boston, having sketches made, 2 story, brick gymnasium and auditorium. $150,000.

Mass., Boston—CHURCH—St. Stephens Episcopal Church, R. Chapman, pastor, having preliminary plans prepared by Perry, Shaw & Hepburn, 177 State St., Boston, 1 story and basement, brick and stone, Shawmut Ave. $150,000.

Mass., Boston—SCHOOL—City, Schoolhouse Dept. having revised plans prepared by C. Albright & W. C. Balney, 308 Boylston St., 1 story and basement, 40 x 125 ft. and 2 ells, brick and stone, Francis Parkman Dist. $150,000.

Mass., Danvers.—HIGH SCHOOL—Town, School Bd., Town Hall, having plans prepared by C. G. Loring, 7 Water St., Boston, Junior High School, brick and steel, Conant St. $275,000.

Mass., Dorchester (Boston P. O.)—CONVENT—St. Williams Parish, D. J. Murphy, having preliminary plans prepared by T. E. Sheehan, 120 Boylston St., Boston, 2 story and basement, brick and stone, Savin Hill Ave. and Tuttle St. $150,000.

Mass., Fall River — SCHOOL — City, Superintendent Pub. Bldgs., having plans prepared by L. G. Destremps, Borden Blk., 2 story and basement, brick and stone, Milton St. $150,000-$200,000.

Mass., Fitchburg—CHURCH—St. Francis Church, A. Langlois, pastor, having plans prepared by O. E. Nault, 48 Hamilton St., Worcester, church. $200,000.

Mass., Hingham — HIGH SCHOOL — Town, School Bd., having plans prepared 2 story and basement high school, Central St. $375,000. Derby & Robinson, 5 Joy St., Boston, archts. Noted Apr. 29.

Miss., Oxford—CHAPEL—C. H. Linkley, archt., Jackson, soon takes bids new chapel 1,500 seating capacity, for University of Mississippi. $150,000. Noted May 6.

Mass., Quincy (Ind. br. Boston) — CHURCH and PARISH HOUSE—Bethany Congregational Church, plans 2 and 3 story brick and stone, Coddington and Spear St. $150,000 or more. Engineer and architect not selected.

Mass., Waban (Ind. br. Boston)—CHURCH—Union Church Society c/o F. A. Burton, archt., 240 Boylston St., Boston, having plans prepared 2 story and basement, brick and stone, Collins Rd. $150,000. Noted Apr. 30.

Mass., West Newbury—HOME—House of Angel Guardian, having plans prepared by E. T. P. Graham, 171 Newbury St., Boston, 2 story and basement, brick and stone, Perkins St. $150,000.

R. I., Providence—HIGH SCHOOL—City, office of City Clerk, having preliminary plans prepared by J. M. Hartwell, c/o Comn. Pub. Buildings, Junior High School, 2 story and basement, brick and stone, Eastern St. $150,000

Conn., New Britain—NURSES HOME—New Britain General Hospital, 92 Grand St., plans nurses' home, Hawkins St., $150,000. Engineer and architect not selected.

Conn., New Britain—SCHOOL—City, J. M. Halloran, chn., having plans prepared by Warren-Holmes-Powers Co., 64 West Randolph St., Chicago, Ill., brick and steel, Shuttel and Meadow Aves. $325,000.

N. J., Elizabeth—ACADEMY—J. Anderson, 45 Delaware Ave., plans Bender Memorial Academy, brick, terra cotta and, mottled slate, Linden Ave. $175,000.

N. J., Elizabeth—HIGH SCHOOL—Bd. Educ., I. T. Chapman, supt., plans Senior High School, 3 story, East Scott Pl., $880,000. Engineer and architect not selected.

Pa., Altoona — CHURCH — Temple Lutheran Church, 6th Ave. and 26th St., F. R. Greninger, pastor, plans 2 story and part basement, 97 x 120 ft., brick and stone, 6th Ave. $175,000. Engineer and architect not selected.

Pa., College Hill (Easton P. O.)—HIGH SCHOOL—Plans election $150,000 bonds, 1 and 2 story Junior High School. $150,000. W. G. Eckles Co., Lawrence Savings & Trust Bldg., New Castle, archts.

Md., Baltimore—SEMINARY—St. Marys Seminary having revised plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, Mass., 2 or more story and basement seminary, Roland Park. $200,000. Noted Sept. 17.

Ala., Gadsden—CHURCH—First Baptist Church having plans prepared by R. H. Hunt, James Bldg., new church and Sunday school. $150,000.

Miss., Oxford — CHAPEL — Mississippi Building Comn., R. I. Brown, secy., soon takes bids 2 story, brick, concrete and stone, for University of Mississippi. $150,000. C. H. Lindsley, Kress Bldg., Jackson, archt.

Ky., Louisville — GYMNASIUM and DORMITORY—Louisville Conservatory of Music, 214 West Bway., plans 4 story and basement, 140 x 200 ft., 50 to 60 studios, etc., brick, Brook and Jacob Sts. $250,000. Engineer and architect not selected.

Ind., Indianapolis—CHURCH—Meridian Heights Presbyterian Church, 47th St. and Central Ave., soon takes bids 1 story and basement, brick, steel and stone church. $150,000. Foltz, Osler & Thompson, 843 Lemcke Ave., archts. Noted Jan. 7.

Ind., Indianapolis—HOSPITAL—Indiana University, S. E. Smith, 1008 Merchants Bank Bldg., having plans prepared by Daggett & Hibben, 922 Continental Bank Bldg., Coleman Memorial Hospital, 3 story and basement, 45 x 211 ft., brick and rein.-con. $250,000.

Mich., Detroit—CHURCH—Ninde Methodist Episcopal Church, W. G. Nixon, pastor, 4839 Dailey Ave., plans 2 story and basement, rein.-con., brick and steel, plain foundation, West Chicago Blvd. $200,000. Engineer and architect not selected.

Mich., Detroit — CHURCH — St. Peters Episcopal Church, R. B. Kimber, pastor, 1932 Trumbull Ave., had plans prepared 3 story and part basement, church group, incl. chapel, guild room, heating plant, etc., rein.-con., brick and steel, plain foundation, Trumbull Ave. $200,000. Engineer and architects names withheld.

Mich., Detroit — SYNAGOGUE — Congregation Shaarey Zedek, A. M. Hershman, rabbi, 294 Erskine St., having plans prepared by A. Kahn, 1000 Marquette Bldg., 2 and 3 story and part basement, 111 x 230 ft., rein.-con., brick and steel, plain foundation, Lawton Ave. $750,000.

Mich., Mt. Clemens—CHURCH—L. F. Wolf, dir. Holding Co., for First Presbyterian Church, having plans prepared 3 story and part basement, rein.-con., brick, steel and stone, plain foundation. $400,000. Engineer and architects names withheld.

Ill., East St. Louis — SCHOOLS — Bd. Educ., c/o J. S. Pidgeon, secy., 600 St. Louis Ave., postponed election $700,000 bonds Junior High Schools, Lansdown and Winstanley Dists. Noted June 24.

Ill., Galesburg—LIBRARY—Knox College having plans prepared by M. F. Martin, Hannibal, Mo., 2 and 3 story, 36 ft. x 151 ft., and 36 x 75 ft. wings, rein.-con. and stone, Cedar St. $250,000.

Wis., Marion—SCHOOL—Bd. Educ., c/o M. Durkop, clk., having plans prepared by Smith & Brandt, Manitowoc, 2 story, 60 x 110 ft., rein.-con. and brick, plain foundation. $150,000.

Wis., River Falls—SCHOOL—Bd. Educ., having plans prepared by Ellerbe & Co., 692 Endicott Bldg., St. Paul, Minn., 3 story and basement, rein.-con. and brick school. $175,000.

Ia., Des Moines—HIGH SCHOOL—Bd. Educ., G. L. Garton, secy., having preliminary plans prepared by Proudfoot, Rawson & Souers, 810 Hubbell Bldg., Junior High School, 2 story and basement, rein.-con., brick and stone, Center St. $400,000.

Tex., Austin—SCHOOL—Voted $150,000 bonds, improving school. Gieseche & Harris, 207 West 7th St., and H. F. Kuekne, 824 Littlefield Bldg., archts. Noted Apr. 22.

Tex., McAllen — HIGH SCHOOL — Bd. Educ., c/o F. Freeland, pres., voted $200,000 bonds, 2 story, rein.-con., brick and stone, plain foundation. R. H. Cameron, 1116 City Natl. Bank Bldg., San Antonio, archt. Noted June 30.

Tex., San Angelo—COLLEGE—Bd. Educ. takes bids after Sept. 10, Junior College, 2 story, rein.-con., brick and stone, plain foundation. $250,000. Phelps & DeWees, Gunter Bldg., San Antonio, archts. Noted Mar. 25.

Tex., San Antonio — LIBRARY and FIRE DEPARTMENT BUILDING — City Comn. plans election $150,000 bonds, branch library, and $150,000 bonds, fire department building. I. Ewig, city engr.

Ariz., Phoenix—CHURCH—First Presbyterian Church having plans prepared by N. F. Marsh, 1011 Bway. Central Bldg., Los Angeles, Calif., brick, stone and steel church. $250,000.

Calif., Los Angeles — SCHOOL — Los Angeles School Dist. had plans prepared by Architectural Dept. Bd. Educ., Temple Street School, 2 story, 116 x 208 ft., frame and stucco. $150,000.

Calif., Marysville — HIGH SCHOOL — Marysville High School Dist. having plans prepared by Davis-Pearce Co., Grant and Webster Sts., Stockton, probably rein.-con. high school. $400,000. Noted June 3.

Calif., Monrovia — SCHOOL — Monrovia School Dist. voted $150,000 bonds, grammar school. Noted June 10.

Calif., Mountain View — SCHOOL — Mountain View Grammar School Dist. plans new election $150,000 bonds, fireproof grammar school. Former election declared invalid. Noted Nov. 26.

Calif., Pasadena — SCHOOL—Pasadena City Bd. Educ having plans prepared by Austin & Ashley, Chamber of Commerce Bldg., Los Angeles, Webster School. $150,000.

Calif., Salinas — HIGH SCHOOL — Salinas High School Dist. plans election, bonds to exceed $150,000, Junior High School.

Calif., San Francisco—LABORATORY—State Normal School had plans prepared by B. G. McDougall, Forum Bldg., Sacramento, 2 story, rein.-con., Waller St. $160,000.

Calif., Santa Cruz—SCHOOL—M. H. Merrill, et al, 1 Drumm St., San Francisco, plans fireproof school to specialize in Diesel engineering. To exceed $500,000.

Calif., Yosemite National Park — CHURCH—Yosemite Natl. Park Church interests, c/o Swartz & Ryland, archts., Rowell Bldg., Fresno, having plans prepared rein.-con. and rubble granite church in Mariposa Co. $300,000.

Bids Desired

Mass., Boston—DORMITORY—Harvard University taking bids 4 story and basement, brick and stone, Longwood and Pasteur Aves. $1,500,000. Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., archts. Noted May 22.

Mass., Duxbury—HIGH SCHOOL—July 14, by Town, School Bd., 2 story and basement, brick and steel, Alden St. $150,000. Brainard & Leeds, 89 Franklin St., Boston, archts. Noted June 17.

Mass., Fitchburg—CHURCH—St. Francis Parish, c/o O. E. Nault, archt., 48 Hamilton St., Worcester, taking bids 1 and 2 story and basement, brick, stone, and granite church. $200,000.

Mass., Winchester — CHAPEL and PARISH HOUSE — First Congregational Church, taking bids 2 story and basement, 75 x 125 ft., granite and stucco, Church St. $160,000. R. Coit, 9 Park St., Boston, archt.

Mass., Whitman — HIGH SCHOOL — Town, c/o J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, taking bids Senior High School, 2 story and basement, brick and stone. $300,000. Noted May 20.

Mass., Roxbury (Boston P. O.)—SUNDAY SCHOOL —Dudley Street Baptist Church, 139 Dudley St., taking bids 3 story and basement, 70x85 ft., brick and stone Sunday school. $150,000. J. W. Bels Sons Co., 185 Devonshire St., Boston, archts.

Pa., Paoli—SCHOOL—July 14, by School Bd., c/o Ritter & Shay, archts., Packard Bldg., Phila., 1 story and basement, 65 x 155 ft., brick and steel school, plain foundation, here.

Pa., Phila.—SCHOOL—July 12, by Bd. Educ., 19th and Chestnut Sts., 3 story and basement, 85 x 212 ft., rein.-con. and brick, plain foundation, Nedro and Ogontz Sts. $400,000. I. T. Catharine, 19th and Chestnut Sts., archt.

Pa., Phila.—SCHOOL—July 12, by Bd. Educ., 19th and Chestnut Sts., remodeling and constructing 2 story and basement, 97 x 115 ft., rein.-con. and brick addition, plain foundation, Tabor Rd. and Water St. $150,000. I. T. Catharine, 19th and Chestnut Sts., archt.

Pa., Strafford—SCHOOL—July 14, by School Bd., c/o Ritter & Shay, archts., Packard Bldg., Phila., 1 story and basement, 65 x 155 ft., brick and steel school, plain foundation, here.

N. C., Raleigh—SCHOOL—July 14, by School Comrs., 20 room brick school, Tarboro and East Davie Sts. $160,000. F. B. Simpson, owner.

Ind., Indianapolis—SCHOOL—July 17, by School Comrs., 150 North Meridian St.,

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Buildings—Educational, Religious (Cont.)

Grade School 72, brick and rein.-con., Troy and Carson Sts. $150,000. D. Graham, 1128 Hume Mansur Bldg., archt. Snider & Rotz, 703 Merchants Bldg., engrs. Noted Mar. 25.

Ind., Lafayette—EDUCATIONAL—July 14, by Central Presbyterian Church, J. H. Skinner, chn., 520 Salisbury St., brick, steel and stone educational building. $150,000. C. Nicol, 310 South Michigan Blvd., Chicago, Ill., archt.

Mich., Wyandotte—SCHOOL—July 14, by E. Hass, secy. Bd. Educ., 126 North Biddle Ave., 2 story and basement, rein.-con., brick and steel, plain foundation, 6th St. $150,000. B. C. Wetzel & Co., 2317 Dime Bank Bldg., Detroit, archts.

Ill., Glencoe—AUDITORIUM—July 14, by J. A. Armstrong, 127 North Dearborn St., Chicago, associated archt., with Warner & McCormack, auditorium in connection with public school, here. $200,000.

Ill., Wheaton—ADMINISTRATION and DORMITORY — Amer. Theosophical Society, 826 Oakdale Ave., Chicago, taking bids 3 story and basement, 40 x 230 ft., and 2 story and basement, 40 x 70 ft., brick, stone and rein.-con., incl. printing plant. $190,000. Pond & Pond, 6 North Michigan Ave., archts.

Minn., Minneapolis—SCHOOL—July 15, by Bd. Educ., 305 City Hall, 3 story and basement, rein.-con., brick and stone, 43rd Ave. N. between Morgan and Newton Aves. $250,000. Architectural Dept. Bd. Educ., archts. Noted Mar. 25.

S. D., Aberdeen—GYMNASIUM—July 27, by Bd. Regents, c/o H. Gamble, Normal School, 3 story, rein.-con., brick and stone, at State Normal School. $250,000. J. W. Henry, Aberdeen, archt. Noted Jan. 21.

Calif., Fullerton—HIGH SCHOOL—July 19, by Trustees, Brea-Olinda Union High School Dist., 1 and 2 story, 170 x 260 ft., brick and concrete high school. $200,000 or more. Kistner Co., Detwiler Bldg., Los Angeles, archts. Noted June 10.

Calif., Oakland—SCHOOL—Bd. Educ. taking bids, Sequoia School, 1 story, brick, $150,000. E. T. Foulkes, Crocker Bldg., San Francisco, archt.

Contracts Awarded

N. H., Concord—DORMITORY—St. Paul School, rein.-con., steel and brick, plain foundation, to G. McCombe, Boston, Mass. Archts etc. $175,000.

N. H., Rochester—MECHANICS ART—Rochester High School, 1 story and basement, 50 x 120 ft., brick and steel, to Shepard & Marsh, Rochester. Archts. est. $150,000.

Vt., Bellows Falls—HIGH SCHOOL—Town, Building Comn., 3 story and basement, 135 x 170 ft., brick, steel and stone, to W. H. Trumbull, Hanover, N. H. Archts. est. $250,000. Noted May 20.

Mass., Boston — CONVENT — St. Anns Parish, J. J. O'Connell, pastor, 3 story and basement, 64 x 72 ft., and 52 x 72 ft., brick, Neponset Ave., to M. Cummings, 43 Tremont St., Boston. Archts. est. $160,000.

Mass., Lynn — CHURCH — St. Stephens Episcopal Church, 1 story and basement, brick and stone, Eastern Ave. and Waite St., to Hussen & Ales, 53 Penny Brook Rd. Archts. est. $150,000. Noted June 10.

Mass., Marlboro — CHURCH — First Universalist Church, H. T. Merrill, pastor, 1 and 2 story and basement, brick and stone, to T. LePage, 71 Savin St., Marlboro. Archts. est. $150,000.

Mass., Southbridge — CHURCH — Sacred Heart Parish, V. Epinard, pastor, 1 and 2 story, brick and stone, Charlton, to H. W. Ball, 9 Franklin St. Archts. est. $150,000. Noted May 20.

Mass., Wrentham — CHURCH and CHAPEL — Mission of St. Marys Roman Catholic Church, Foxboro, 1 and 2 story and basement, brick and stone, to Mack Constr. Co., 53 State St., Boston. Archts. est. $150,000.

Conn., Middletown — SCHOOL — Town, F. J. Bielfeld, chn., 2 story and basement, brick and stone, Farm Hill Dist., to S. Mazzotta, Mazzotta Pl. Archts. est. $150,000. Noted June 17.

N. J., East Orange—SCHOOL—Church of Holy Name, 2 story, concrete and stone school, Dodd St., to United Building Service Corp., 44 West 18th St., New York City. Archts. est. $200,000. Noted May 20.

Pa., Abington — SCHOOL — Abington Twp., Lackawanna Co., 2 and 3 story and basement, 60 x 100 ft., rein.-con. school, to M. C. Tuttle Co., Park Square Bldg., Boston, Mass. Archts. est. $150,000.

Pa., Clairton—HIGH SCHOOL—School Dist. and C. W. Bates, archt., 77 12th St., Wheeling, W. Va., general contract 2 story and basement, 60 x 120 ft. addition, here, to C. W. Shimp, Martins Ferry, O., $205,350. Noted June 17.

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Pa., Phila. — SCHOOL — University of Pennsylvania, 34th and Spruce Sts., Graduate School of Medicine, 10 story and basemet, 54 x 60 ft., and 64 x 136 ft., rein.-con., brick and steel, plain foundatino, 19th and Lombard Sts., to J. N. Gill Constr. Co., City Center Bldg. Archts. est. $1,100,000.

D. C., Wash.—SCHOOL—Dist. Comrs., District Bldg., McKinley Manual Training School, 2 story and basement, brick and stone, to Parsons & Hyman, Equitable Bldg., $1,974,644. Noted June 17.

O., Cleveland—ADMINISTRATION and CLASSROOM—T. D. McLaughlin & associate, archts., 610 Savings Bldg., Lima, 4 story and basement, 83 x 326 ft., and 2 story, 50 x 128 ft. power plant, Green Rd., to J. Gill & Sons, Bulkley Bldg., for Sisters of Notre Dame, Mother Mary Evarista, sister superior, 1325 Ansel Rd. Archts. est. $500,000.

Kan., Kansas City—CHURCH—St. Paul Methodist Episcopal Church 2 story and basement, 90 x 175 ft., stone, to Wyatt & Barcus, 845 Minnesota Ave. Archts. est. $150,000.

Neb., Lincoln — CHURCH — F. M. Hall, chn. building com., 701 1st Natl. Bldg., general contract 2 story and basement, 139 x 147 ft., brick and stone church, to W. Peterson, 305 Wilkinson Bldg., Omaha, $176,920.

Neb., Mitchell — SCHOOL — Secretary School Bd., general contract, 2 story and basement, rein.-con. and stone addition, to Busboom Bros., Fairbury, $100,430. Archts. est. $150,000. Noted June 3.

Mo., Kansas City—NURSES HOME—J. W. Wagoner, chn. Research Hospital, 1409 Grand Ave., 4 story and basement, 80 x 140 ft., rein.-con., brick and terra cotta nurses home, 23rd and Holmes Sts., to G. F. Green Constr. Co., 429 Rialto Bldg. Archts. est. $150,000. Noted Apr. 22.

Wash., Seattle—SCHOOL—F. A. Naramore, archt., Central Bldg., 3 story and basement, 219 x 296 ft., concrete, brick, steel and terra cotta, East 68th St. and Ravenna Blvd., to Jenkins & Kaufman, Thompson Bldg., $296,500. Noted June 10.

Calif., Lankershim — HIGH SCHOOL — Los Angeles Bd. Educ. brick and concrete high school buildings, to T. H. Reed, 3025 Dalton Ave., Los Angeles, $248,997. Noted June 17.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., general contract Belmont High School, brick and stone, to W. G. Reed, 1584 West Washington St., $185,000. Noted June 17.

Calif., Los Angeles — SCHOOL — Loyola College, 1901 Venice Blvd., 3 story, 135 x 147 ft., brick and concrete, 1871 Venice Blvd., to T. F. Power, 2615 West 7th St., $235,000.

B. C., Vancouver—SCHOOLS—Bd. School Trustees, Hamilton St., two 3 story, 68 x 110 ft., rein.-con., brick and tile, plain foundations, one incl. auditorim, 44 x 80 ft., to Baynes & Horie, 846 Howe St., $111,200; and other to Harrison & Lamond, 602 Hastings St. W., $102,645. Noted Jan. 7.

Federal Government Work

Proposed Work

Mo., Kansas City—Dikes, etc.—U. S. Engineer Office, Postal Bldg., making plans dike, revetment and clump dikes on Missouri River; dikes and revetment at Fire Creek Bend $217,000, and at Bahers Bend $269,000; also dikes at Lexington, $66,000. C. C. Gee, dist. engr.

Bids Desired

Conn., Bristol—Remodeling—July 20, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here; adv. E. N.-R. July 8.

N. J., Cold Spring—Stone—July 30, by U. S. Engineer Office, Wilmington, Del., stone for jetty repairs, Cold Spring Inlet, here; adv. E. N.-R. July 8.

N. J., Lakehurst—Coal Handling System—See "Contracts Awarded."

D. C., Wash.—Equipment—Aug. 2, by U. S. Engineer Office, 1068 Navy Dept. Bldg., pneumatic conveying and dust recovering equipment for water supply project; adv. E. N.-R. July 8.

Ala., Anniston — Boiler — July 12, by Treas. Dept., at office Supervising Archt., Wash., D. C., boiler at U. S. Pot Office, here.

Ind., Logansport—Post Office—July 19, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Mich., Saginaw—Driveway—July 22, by Treas. Dept. at office Supervising Archt., Wash. D. C., driveway, at U. S. Post Office, here.

Ia., Iowa City—Remodeling—July 14, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Mo., Caruthersville—Levees—See "Contracts Awarded."

Mo., Huntsdale—Dikes—July 26, by U. S. Engineer Office, Postal Bldg., Kansas City, clump dikes in Missouri River, near here, $51,000.

Tex., Brownsville—Harbor Improvement—See "Contracts Awarded."

Tex., San Antonio—Heating—July 20, by Treas. Dept. at office Supervising Archt., Wash., D. C., heating at U. S. Post Office, here.

Contracts Awarded

N. H., Nashua — Remodeling — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here, to S. Belanger & Son, Inc., Nashua, $12,359. Noted June 17.

Mass., Chelsea (br. Boston)—Roads, etc.—Spec. 5216—Bureau Yards & Docks, Navy Dept., Wash., D. C., roads, walks, railings, etc., at Naval Hospital, here, to J. A. Gaffey, Medford, $7,123. Noted July 1.

N. Y., New York—Tower—U. S. Engineer Office, Army Bldg., 100 ft. steel tower on concrete foundations, to Donnell Zane Co., Inc., 233 Bway., $7,694. Noted May 20.

N. Y., New York—Roads—Treas. Dept., at office Supervising Archt., Wash., D. C., rebuilding and resurfacing roads, here, to Vanbro Constr. Co., 24 Elizabeth St., West New Brighton, $6,360.

N. Y., New York—Piles—Treas. Dept., at office Supervising Archt., Wash., D. C., renewal of piles, here, to Rhodes & Manvel, Inc., 90 West St., New York City, $4,800.

N. Y., Plattsburg—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office and Custom House, here, to Sloan Dickinson Corp., 136 Liberty St., New York City, $14,997. Noted June 24.

N. J., Lakehurst—Coal Handling System—Spec. 5230—Bureau Yards & Docks, Navy Dept., Wash., D. C., will build improvements to coal handling system, at Naval Air Station, here, by station labor. Former bids rejected. Noted July 1.

Md., Annapolis—School—Spec. 5233—Bureau Yards & Docks, Navy Dept., Wash., D. C., alterations to post graduate school, at U. S. Naval Academy, here, to S. McCall, 5112 Belmont Ave., Baltimore, $7,274.

Md., Baltimore—Extension—Treas. Dept., at office Supervising Archt., Wash., D. C., extending and remodeling U. S. Marine Hospital, here, to A. Spampinato & Co., 1615 St. Joseph St., $9,054.

D. C., Wash. — Hangar — Constructing Quartermaster, Munitions Bldg., constructing superstructure steel hangar, at Bolling Field, to A. H. Rogers, Colorado Bldg., $2,980; foundations and flooring of same, to L. B. Davidson Bond Bldg., $12,980. Noted July 1.

D. C., Wash.—Road—Spec. 5228—Bureau Yards & Docks, Navy Dept., road at Naval Hospital, here, to Cranford Co., 3056 Knw. St., $5,201.

Va., Norfolk—Heating Mains, etc.—Spec. 5218 and 5201—Bureau Yards & Docks, Navy Dept., Wash., D. C., heating mains at U. S. Marine Barracks, here, to Virginia Eng. Co., Newport News, $12,589; and plumbing alterations, to Coley & Peterson, Norfolk, $2,546. Noted July 1.

Ga., Fort Benning—Laboratory—Constructing Quartermaster, laboratory building, to A. Blair, Montgomery, Ala., $26,475. Noted May 20.

O., Dayton—Administration, etc.—Office Constructing Quartermaster, Wright Field, administration building, at Wright Field, to E. H. Latham, 60 East Broad St., Columbus, $206,825; laboratory, to Danis-Hunt Co., 1st and Webb Sts., $298,300; foundations for storehouse, to M. E. White Co., 1735 Fullerton St., Chicago, Ill., $15,875; and 200,000 gal. elevated steel tank, to Graver Corp., East Chicago, $11,585. Grand total $532,585. Noted June 3 and July 1.

Minn., Winona — Boilers, etc. — Treas. Dept., at office Supervising Archt., Wash., D. C., boilers at U. S. Post Office here, to Twin City Plumbing & Heating Co., 1519 East Lake St., Minneapolis, $3,995. Noted July 1.

Mo., Caruthersville—Levees—U. S. Engineer Office, 1st and 2nd Mississippi River Comn., Memphis, Tenn., will build levee enlargement and constructing banquette in St. Francis Levee Dist., by day labor under supervision U. S. Engineer.

Mo., St. Louis—Hulls—U. S. Engineer Office, Custom House, 5 steel pile driver hulls, to Dravo Contg. Co., Neville Island, Pittsburgh, Pa., $38,300. Noted June 3.

Federal Government Work (Continued)

Tex., Brownsville—Harbor Improvement —U. S. Engineer Office, H. L. Schley, dist. engr., Galveston, will build 1,300 lin.ft. jetties from north end Brazos Island and at south end Padre Island, also cutting 18 ft. channel across bar, etc., at Brazos-Santiago Pass, off Point Isabel, here, by day labor. $500,000.

Ark., Hot Springs—Power House, etc.—Constructing Quartermaster Army and Navy General Hospital, power plant, etc., to T. A. Rosmond, Hot Springs, $76,350; electric

Wash., Yakima — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and extending U. S. Post Office, here, to H. Boyer, Yakima, $16,545. Noted July 1.

Calif., Palo Alto—Hospital—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing various buildings, at U. S. Veterans Hospital 24, here, to R. E. Campbell, Los Angeles, $853,300; plumbing, to H. C. Lauer, Palo Alto, $68,434; heating, to Latourrette-Fical Co., Berkeley, $48,565; electrical work, to B. L. Perry, Los Angeles, $25,948; refrigeration, to York Products Corp., San Francisco, $6,070; and elevators, to Kimball Bros. Co., Council Bluffs, Ia., $5,576. Grand total $1,007,893. Noted May 6.

FEDERAL POWER COMMISSION

Application for Licenses and Permits

Applications

715—A. A. Shuford and F. M. Laxton, Mecklenburg Ave., Charlotte, N. C.—Wants preliminary permit power project in Wilson Creek, Boone Natl. Forest, Caldwell Co.

716—Eastern Oregon Light & Power Co., Masonic Bldg., Baker, Ore.—Wants license constructing 4.5 mi. transmission line between Hanover Junction and Ibex Mine, through Whitman Natl. Forest.

717—E. O. Carvin, Sierra City, Calif.—Wants license small power project in North Fork of South Fork of Yuba River, Sierra Co.

718—Federal Power Co. of Tennessee, Knoxville, Tenn.—Wants preliminary permit power project in Nolichucky-Toe Rivers and tributaries, in Unicoi, Washington and Green Counties, Tenn., and in Mitchell and Yancey Counties, North Carolina, through Unaka Natl. Forest.

719—Royal Development Co., Leavenworth, Wash.—Wants preliminary permit power project in Phelps Creek, Chelan Co., through Wenatchee Natl. Forest, for use in connection with Project 409.

720—City of Denver and Denver Co., Denver, Colo.—Wants preliminary permit 6 storage reservoirs, power plants, etc., in South Platte River, Park, Douglas and Jefferson Counties.

Unclassified

Proposed Work

Land Development—Brookline (Boston P. O.), **Mass.**—E. B. Benedict, 21 Essex Rd., making plans improving 1½ acres, incl. stone masonry, pool, drainage, grading, etc. $25,000 or more. S. P. Negue, 16 Arlington St., Boston, archt.

Swimming Pool—Deerfield, Mass.—Deerfield Academy, C. Plunkett, having preliminary plans prepared swimming pool and gymnasium. To exceed $25,000. F. I. Cooper, 172 Tremont St., Boston, engr.

Transmission Line, etc.—North Carolina and Virginia—See "Railways."

Stadium—Chapel Hill, N. C.—University Alumni plans athletic stadium, 30,000-35,000 seating capacity. $500,000. R. Lassiter, Commercial Bank Bldg., Charlotte, chn. Stadium Com.

Power Development—Waterville, N. C.—Pigeon River Power Co., 71 Bway., New York City, plans 500 ft. arched concrete dam 130 ft. high, concrete lined tunnel, wood stave pipe line and steel penstock, power house, etc., on Pigeon River, near mouth of Cataloochee Creek, near here.

Park—Sarasota, Fla.—Election July 20, $175,000 bonds, to provide for park.

Gas Mains—Tennessee—Chattanooga Gas Co., 809 Broad St., Chattanooga, plans extending gas mains from Chattanooga to Lookout Mountain. $50,000.

Elimination Grade Crossing — Amqui (mail Madison), **Tenn.**—State Dept. Highways & Pub. Wks., Nashville, C. N. Bass, comr., take bids in September, rein.-con. overhead crossing, incl. earth approaches over Louisville & Nashville R.R. tracks. To exceed $25,000.

Amphitheatre—Chicago, Ill.—P. Harmon, 1701 West Van Buren St., soon take bids 266 x 484 ft. concrete, brick and steel amphitheatre, 152 ft. high, Wood and Madison Sts. Hall Lawrence, Rippel & Ratcliffe, 123 West Madison St., archts.

Swimming Pool — Chicago, Ill. — See "Buildings—Commercial."

Parks and Playgrounds—Jefferson City, Mo.—Election July 15, $50,000 bonds, parks and playgrounds.

Land Development — St. Louis, Mo. — Miami Realty Co., R. Mederacke, 4430 Arsenal St., making preliminary plans developing new subdivision between Oak Hill and Morgan Ford south of McDonald Ave. fronting on Miami St., Oak Hill, Bent, Potomac, McDonald, Parker, Oleatha and Tholoza Aves., incl. streets, sewers, sidewalks, etc. $50,000.

Park Improvement—Mexia, Tex.—Election July 27, $35,000 bonds, park improvements. Engineer not selected.

Overpass—Tulsa, Okla.—Voted $75,000 bonds, overpass over Frisco R.R. tracks at Hern St.; and $25,000 bonds, overpass over Midland Valley R.R. tracks at East 6th St. C. Schultz, City Hall, engr. Noted June 17.

Land Development — Wewoka, Okla. — Sherritt & Parker making plans developing 30 acres, incl. graveling streets $35,000, sewer extensions $35,000, and waterworks $25,000, etc. A. C. Davis & Sons, Shawnee, archts.

Ornamental Lighting System—Los Angeles, Calif.—Made plans concrete standards on Beverly Glen Blvd., Comstock Ave., etc. To exceed $25,000.

Ornamental Lighting System — Los Angeles, Calif.—Made plans steel standards on Pandora and Holmby Aves. To exceed $25,000.

Pier—Oceanside, Calif.—Voted $100,000 bonds, municipal pier and concrete promenade. Noted June 17.

Swimming Pool and Skating Rink—Santa Monica, Calif. — See "Buildings — Commercial."

Bids Desired

Coal Pocket—New Bedford, Mass.—See "Contracts Awarded."

Pavilions, etc.—Brooklyn, N. Y.—July 15, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, two pavilions, comfort stations, etc., at Boardwalk, at Coney Island.

Borings—New York, N. Y.—July 14, by J. Miller, pres. Manhattan Boro, wash borings and rock core borings in connection with contract for grading, paving and constructing viaduct, on Riverside Dr., from West 155th to 161st Sts.

Crossings — Phila., Pa. — July 14, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., railway crossings, Contr. 14-1926. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Steel Cages—Stuart, Fla.—July 27, by Bd. Comrs. Martin Co., Court House, constructing steel cages for temporary jail. E. H. Gibson, Stuart, co. engr.; adv. E. N.-R. July 8.

Police Alarm System—Green Bay, Wis.—July 14, by W. L. Kerr, city clk., constructing police alarm system. $30,000.

Barges—Minneapolis, Minn.—July 16, by Cox & Stevens, engrs., 25 Bway., New York City, N. Y., constructing steel double deck barges, each 126 ft. long and 33 ft. beam; also tow boats, here, for Upper Mississippi Barge Line Corp., c/o W. W. Morse, pres., 334 North 1st St. $600,000. T. B. Tarn, 5518 Hobart St., Pittsburgh, Pa., archt.

Residential Development—Corpus Christi, Tex.—See "Contracts Awarded."

Subway—Ft. Worth, Tex.—July 12, by J. C. McVea, city engr., subway at north side approach to 69th St. Bridge, also rein.-con. subway under tracks Galveston, Harrisburg & San Antonio Ry. tracks, for City and Southern Pacific R.R. Co., H. M. Lull, ch. engr., c/o W. R. Scott, Southern Pacific Bldg. $200,000.

Undergrade Crossing — South San Francisco, Calif.—July 19, by State Hy. Comr., Sacramento, undergrade crossing under Southern Pacific R.R. and South San Francisco Belt Ry. tracks, 64,300 cu.yd. roadway excav., 33,000 mi. yd. haul, 3,360 cu.yd. rein.-con. for walls, footings, sidewalks, paving, etc., 1,307 cu.yd. plain concrete for gravity wall, paving, decks, etc., 266,000 lb. reinforcing 750,000 lbs. structural steel, etc. R. M. Morton, Forum Bldg., Sacramento, engr. Noted Oct. 29.

Pier—Ottawa, Ont.—July 14, by S. E. O'Brien, secy. Dept. Pub. Wks., reconstructing 115 ft. South Pier, at Burlington Channel, Wentworth Co. $36,000.

Contracts Awarded

Coal Pocket—New Bedford, Mass.—Akin-Dennison Co., 231 Union St., will build coal pocket, concrete and timber, by day labor under supervision G. Carver, Inc., engr., 261 Franklin St., Boston. $40,000.

Bulkhead—New Bedford, Mass.—City, Dept. Pub. Wks., bulkhead, rip rap, etc., to Merritt-Chapman & Scott, 292 Pequot Ave., New London, Conn., $29,853. Noted July 1.

Swimming Pool—Holyoke, Mass.—City, Bd. Pub. Wks., City Hall, swimming pool and shelter house, Jackson St., to Mutual Service Co., 343 High St. Engrs. est. $25,000.

Tower — Worcester, Mass. — Boston & Albany R.R. South Sta., Boston, brick and concrete tower at Union Depot, here, to J. McDonald Constr. Co., 77 Summer St., Boston. Engrs. est. $25,000.

Athletic Field — Providence, R. I. — La Salle Academy, athletic field, Academy Ave., to Famiglietti Bros. Co., 166 Bway. Engrs. est. $25,000.

Stadium — Chester, Pa. — Pennsylvania Military College, 1 story, 48 x 327 ft., rein.-con., brick and limestone stadium, on campus, to F. M. Harris Co., 1529 Parrish St., Phila.

Subway—Phila., Pa.—H. E. Ehlers, dir. City Transit, 1211 Chestnut St., special track work and appurtenances for Fern Rock Terminal Yard of Broad St. Subway, Contr. 125, to Loraine Steel Co., Weidener Bldg., $107,190. Noted July 1.

Terminal—Chattanooga, Tenn.—Southern Railway System, B. Herman, ch. engr., 1300 Pennsylvania Ave., Wash., D. C., brick, steel and rein.-con., locomotive railroad terminal, plain foundation, to Dwight P. Robinson, 125 East 46th St., New York City, N. Y. Archts. est. $500,000.

Terminal — Cincinnati, O. — Constructing River-Rail Terminal, erecting steel cranes, unloading devices, etc., to J. and F. Harig, 1240 Queen City Ave., $150,000.

Garden Improvements—Cleveland, O.—Cleveland Museum of Art, F. A. Whiting, dir., Brookline, Mass., garden improvements, incl. concrete pool, stairways and marble work, to Lundoff-Bicknell Co., B. F. Keith Bldg. Engrs. est. $75,000.

Lake—Delton, Wis.—See "Dams."

Foundation—Madison, Wis.—University of Wisconsin, J. D. Phillips, bus. mgr., rein.-con. foundation for Union Memorial Building, rein.-con., brick and steel, at University, to C. B. Fritz Co., 138 North Frances St. Noted May 6.

Swimming Pool, etc.—Ft. Smith, Ark.—Hardscrabble Country Club, T. L. Daly, chn., building com., concrete swimming pool, and 2 tennis courts, to O'Neal & Drake, Ft. Smith, $5,000 and $2,500 respectively; also 1.5 story, brick and stone clubhouse, to S. Z. Rambo & Co., Ft. Smith, approximately $34,000. Noted Feb. 25.

Residential Development—Corpus Christi, Tex.—Saxet Co., c/o W. L. Pearson, Post Dispatch Bldg., Houston, will build residential development, incl. grading, paving, sewers, water and gas mains, etc., here, by day labor. Approximately $75,000. Private plans.

Swimming Pool—San Antonio, Tex.—See "Buildings—Commercial."

Ornamental Lighting System — Long Beach, Calif. — Metal standards on American Ave., etc., to H. A. Dunkle, 1913 North Commonwealth Ave., Los Angeles, $82,109. Noted Feb. 18.

Ornamental Lighting System—Los Angeles, Calif.—Ornamental street lighting system on Western Ave. between Slauson and Manchester Aves., to Newbery Electric Corp., 726 South Olive St., $83,583.

Arena—San Francisco, Calif.—J. Tait, et al., Phelan Bldg., 138 x 275 ft. fight arena, Post St., to R. McLeran Co., Hearst Bldg., approximately $300,000.

Electrical Work — Vancouver, B. C. — David Spencer, Ltd., Hastings and Seymour Sts., electrical work for 9 or 10 story, 102 x 240 ft. rein.-con., steel and tile store, Hastings and Richards Sts., to Hume & Rumble, 510 Hastings St. W., $112,000. Noted Apr. 22 under "Buildings—Commercial."

Materials

Bids Desired

Granite Curbing—Providence, R. I.—July 12, by City Clerk's Office, 10,000 ft. 7 in. straight granite curbing.

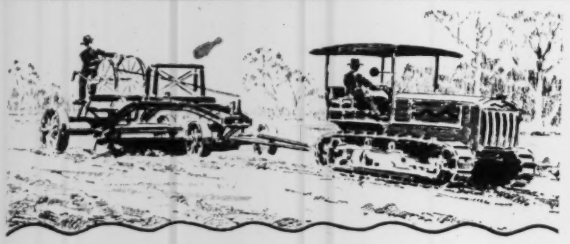
Filler—New York, N. Y.—July 14, by J. Miller, pres. Manhattan Boro, Municipal Bldg., 500 tons asphaltic joint filler.

Contracts Awarded

Cement—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Crotona Park; 3rd and Tremont Aves., 3,000 bags of portland cement, to G. B. Raymond & Co., 293 Borden Ave., Long Island City, $2,025. Noted June 24.

See proposal advertising on page 125

Constr. News page 35



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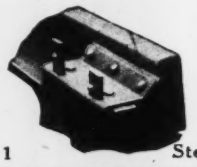

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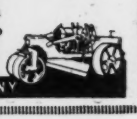

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